All specimens listed below were taken at East Base, Antarctica, Lat. 68° 11' S. Long. 67° 02' W.

All Weddell's Seals. Eye-color dark brown in all cases

	Nos. 11-12	Nos. 13-14	No. 15 embryo of Nos. 13-14	Nos. 16-17	Embryo No. 18-19 Parent not saved	Nos. 20-21	Embryo Nos. 22-23 Parent not saved	Embryo from No. 24 #25-6	Mother of #24 Nos. 25-26	Nos. 27-28	Nos. 29-30 Mother of Nos. 31-32	Nos. 31-32 Young of Nos. 29-30	Embryo No. 33	There is no No. 34 / No. 35	No. 36	Mother, Nos. 37 [illegible] Pup not saved	Pup of No. 40 No. 38-39	Mother of Nos. 38-39 No. 40	No. 41
	inches	inches	inches	inches	C.M.	C.M.	C.M.	C.M.	inches / C.M.	C.M.	C.M.	C.M.		Inches	C.M.	C.M.	C.M.	C.M.	C.M.
Circumference of Neck	30	36			49cm	92	40	42	29	81	65	46					68		
Width (Transverse diameter) of neck	10½	11			21	26	15	17	-	32	31	19					23		
Depth (Thickness) of neck	9	10			13	17	8	8	12	21	24	11					15		
Width (Transverse diameter) of body across heads of opposite upper arm bones	19	20			25	49	23	23	28	42	64	27					35		
Circumference of fore flipper at bend	11½	12			22	28	19	21	11	-	31	23					29		
Width of fore flipper at bend	5	5½			9	13	7.5	10	7½	-	14	11					14		
Length of fore flipper, bodyline to tip	14	14½			25	30	27	26	-	30	38	26					36		
Circumference of body halfway between fore flippers and vent	66	68			64	132	60	55	-	132	228	68					109		
Width (transverse diameter) of body half-way between fore-flippers + vent	25	24			28	49	24	24	32	52	75	30					40		
Depth of body half-way between fore-flippers and vent	21	19			12	23	11	9	17	26	44	12					23		
Anterior corner of eye to end of nose	4	4			7	10	7	7	4	9	12	7.5					8		
Circumference of body immediately behind fore flippers	62	60			64	126	61	61	76	135	178	70					113		
Width (Transverse) of body immediately behind fore-flippers	21½	22			26	54	25	25	31	51	67	31					42		
Depth of body immediately behind fore-flippers	19	16			15	-	11	10	16	28	42	13					21		
Circumference of body at base of tail	24	22			35	51	32	31	24	53	-	37					54		
Width (Transverse diameter) of body at base of tail	10	9½			15	24	13	12	10	21	29	14					21		
Depth of body at base of tail	5½	6½			8	12	7.5	7.5	6	12	12	8					11		
Least circumference of base of hind flipper	12	12			18	29	17	17	12	27	64	20					26		
Least width (transverse diameter) of base of hind flipper	4½	4			8	8	5	5	11	8	11	7					8		
Length of hind flipper	17	17			27	39	26	25	18	36	42	34					34		
Total Length	8'7"	92"		97"	115	196	125	127	100½	92	273	143		8'6"	258	219	158	246	245
Sex	♀	♀		♂	♀	♂	♀	♂	♀	♀	♀	♀	♀	♂	♀	♀	♀	♀	♀
Remarks	Skin + skull. Colour of eye dark brown. Had 16" embryo-not saved	Skin + skull	Embryo. Packed in collecting tank -	Skin + skull. Measurement Sheet Lost	Weighed 42 pounds. Lived 32 hrs after operation. 1 month short of term, named "Ceasar" from form of birth. Skin + skeleton	Skin + skull. Weighed 239 pounds, without viscera	Skin + skeleton. Weighed 43 pounds	Skeleton of embryo, + skin. Weighed 38 pounds	Skin + skull (Bryant-Eklund specimen)	Skin + skull. Probably 1-yearold seal	Skin + skull	Skin + skeleton. Not over 24 hours old - first young observed that season. Weight 57 pounds. Dark grey pelage, slightly yellowish spots.	Weighed 51½ pounds. Whole animal frozen	Skull only	Skull only. Not pregnant, many worms in stomach	Skull only	Pup just out of water, but stomach contained only milk. Weighed 157 pounds. Skin + skull	Skull only	Skull only
Date	April 1940	April 1940	April 1940	June 1940	July 17, 1940	August 26, 1940	Sept. 5, 1940	Sept. 7, 1940	Sept. 7, 1940	Sept. 23, 1940	Sept. 29, 1940	Sept. 29, 1940	Sept. 29, 1940	Oct. 9, 1940	Oct. 19, 1940	Oct. 29, 1940	Oct. 29, 1940	Oct. 29, 1940	Nov. 3, 1940

	M1-U.S.M.1	M2	M3	M4	M5	M6	M7	USM3	M8	M9	M10	M11	M12	M15-M16	M17-M18	M19-M20	Field No. 19
	Inches													inches	inches	inches	
Circumference of Neck															35	18	
Width (Transverse diameter) of neck														11	15	9½	
Depth (Thickness) of neck														9½	10	9	
Width (Transverse diameter) of body across heads of opposite upper arm bones														24	17	25	
Circumference of fore flipper at bend														11½	12	15	
Width of fore flipper at bend														5½	6	6½	
Length of fore flipper, bodyline to tip														16	10½	15½	
Circumference of body halfway between fore flippers and vent														65	—	64	
Width (transverse diameter) of body half-way between fore-flippers + vent														23	16?	26½	
Depth of body half-way between fore-flippers and vent														22		14	
Anterior corner of eye to end of nose														4	3¼	4½	
Circumference of body immediately behind fore flippers														67		65	
Width (Transverse) of body immediately behind fore-flippers														25	16	20½ tight, 26 skin pulled out.	
Depth of body immediately behind fore-flippers														19½	12	14	
Circumference of body at base of tail														22½	19	29	
Width (Transverse diameter) of body at base of tail														11	8	12	
Depth of body at base of tail														6½	3½	4½	
Least circumference of base of hind flipper														11	9	12½	
Least width (transverse diameter) of base of hind flipper														3½	2¾	4	
Length of hind flipper														17½	13	20	
Total Length	75½													99	60	119	100
Sex	♀	♀				♂	♂	♂?	♀	♂		♀?	♂	♂	♂	♂	♀
Remarks	Skin + skull. yearling.	Skull	Embryo (complete in alcohol,?)	Embryo skeleton	Embryo	Skin	Skull (of M6?)	Embryo skin	Skull. Not pregnant.	Skull	No notation in catalogue	Skull	Skull	Skull + skin	Skull + skin. yearling (These measurements may not belong to this specimen.)	Skull + skin. Adult	Skeleton. Embryo in her, aged about 6 weeks.
Date	April 30, 1940					October 1940			October 17, 1940	October 17, 1940	~~November 5, 1940~~	November 5, 1940	November 5, 1940	[illegible]	January 18, 1941	January 24, 1941	January 17, 1941

All of the nearly 100 seals killed + examined had many worms. The only exceptions were the new-born

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MEARNS

Jacobo Blanco, Eng.
Felipe Valle - Astronomer
Valentin Gama
Tomas Torres } Ayudantes.
Agustin Aragon
Felix Angniano - Pagador

Metric Linear Measures.

Millimeter	.001	
Meter	1.000	
Kilometer	1000.000 =	.62137 miles

1 inch = .0254 meters.
1 mile = 1609.347168 meters.

Monument No. 65, on the summit of the San Luis Mountains, is 261,387.85 meters (162.42 miles) from the center of the Rio Grand, measured on the Mexican Boundary Line.

Mammal Regester.

Measurements of Deer, Antelope, Bears, Peccaries, Coyotes, etc. are entered at pages 17, 24, 198

Nos. 1432 to 1731 are entered on Holzner's book.
" 1412 to 1432 " " " Mammal Register, pp. 7-10.
" 1444 to 1543 " " " " " 18-20.
" 1711 to 2417 " " " " " 200-234.

Mammal specimens with measurements — Nos. 1490-1532 — are recorded on pages 174 and 175 of W. Snelling plant and shell catalogue book. Dipodomys and Perodipus from El Paso, are entered on pp. 194-5 of same book.

Measurements of Antelope, Deer, Bear, Peccaries, Coyotes, etc. entered on pages 17, 24, and 198 of this Mammal Register.

January 28, 1892.

Left Fort Snelling, Minnesota en route to join the International Boundary Commission: United States and Mexico, at El Paso, Texas.

January 29, 1892.

Reached Columbus Junction, Iowa, early in the morning. Took a long walk about the town, and noted a flock of Crows (Corvus americanus), several Blue Jays (Cyanocitta cristata), and hordes of European House Sparrows (Passer domesticus). In Missouri a Loggerhead Shrike (Lanius ludovicianus excubitorides) was seen. Ground partially covered by snow.

We arrived at Kansas City early in the evening.

January 30, 1892.

Daylight found us half-way across Indian Territory. Judging from the appearance of the railway platforms cotton and deer-skins must be the principal exports. Considerable prairie stretches were crossed at first; then, from the crossing of the Red River, timber abounded, though there were many broad openings between the timbered areas. Streams are numerous, and grass abundant. Cotton is extensively cultivated in the river valleys; and all of it had not yet been picked. The birds noted, in Indian Territory were: Pileated Woodpeckers (Ceophloeus pileatus); Red-bellied Woodpecker (Melanerpes carolinus), one; Loggerhead Shrike (Lanius ludovicianus excubitorides), several; Corvus americanus, common in flocks;
Raven (Corvus corax ____________), several pairs seen; one bird perched on a horse's back. The horse was calmly grazing at the time;
Blue Jay (Cyanocitta cristata), several seen;
Otocoris alpestris praticola. – Prairie Horned Lark, in flocks;
Bluebird (Sialia sialis), on telegraph wires; common;
Meadowlarks (Sturnella). – Common.
Passenger Pigeon (Ectopistes migratorius). – Two small flocks.
Mourning Dove (Zenaidura macroura). – Common.
Colaptes ____________. – Flickers were common.
Colinus virginianus. – One flock of Bob Whites seen.
Sparrow Hawk (Falco sparverius). – Several.
Buteo ____________. – Probably several species.
Xanthocephalus xanthocephalus. – A flock of Yellow-headed Blackbirds was seen by Frank X. Holzner, who accompanied me.

(January 31, 1892 — Concluded.)

The forests of Indian Territory and adjacent part of Texas through which we passed, to Fort Worth, are largely oak, with a good deal of Elm along streams. Cottonwoods and sycamores were common locally, but the arboreal vegetation was quite varied, though the red cedar (Juniperus virginianus) was the only evergreen conifer noticed. The common mistletoe is common from the Red River crossing southward, especially on the elm.

A great many land and river shells were seen at points where we stopped long enough to permit an examination; and several species were collected.

A fine Fox Squirrel (Sciurus niger) was seen upon the ground in a bit of woods.

Several bales of deer-skins were examined, and all were the Eastern White-tailed Deer.

At Fort Worth, Texas (Tarrant County), we had to stay overnight, the west bound train leaving at 9.30 A.M.

February 1, 1892.

Holzner and I were called at 5:30, and, walked out to the South Fork of Trinity River where we waited in thick chapparal for it to get light. The Harris's Sparrow was the first to awake; but soon the Cardinal and Carolina Wren were singing loudly. The following birds were seen at Fort Worth:–

Melanerpes carolinus. – One.
Colaptes ______ ?. – Several at a distance.
Lanius l. excubitorides. – One.
Corvus americanus. – Common in flocks.
Cyanocitta cristata. – A number were seen.
Otocoris a. praticola. – In flocks.
Sialia sialis. – Common.
Zonotrichia querula. – Extremely abundant.
Pipilo erythrophthalmus. – Several seen.
Gallinago delicata. – A number in a marshy spot in a vacant lot in front of the RR depot.
Aegialitis vociferus. – A flock of 5 with the above.
Lophophanes ______ ? Several Titmice seen in the early twilight but not identified.
Cardinalis cardinalis. – Very abundant; singing loudly

Lepus (sylvaticus?) – Common at Fort Worth.

Harporhynchus longirostris sennetti. – In thickets beside the river.
Cathartes aura. – Roosting in large flocks on the borders of Trinity River.
Thryothorus ______ ?. – Singing deliciously.
Sturnella ______ ?. – Several seen.
Scolecophagus breweri. – Small flocks.
Merula migratoria. – Common.
Falco sparverius. – Several.

7566 Harporhynchus longirostris sennetti. ♀ ad. 292; 347; 108; 129; culmen, 28; tarsus, 36; middle toe and claw, 31. Iris yellow. Feet grayish brown, claws becoming dusky towards the tip. Bill black, horn-color on basal half of mandible.

7567 Zonotrichia querula. ♂ ad. 197; 280; 90; 92; culmen, 11.5; tarsus, 27; middle toe + claw, 24 mm.

7568 Cardinalis cardinalis. ♂ ad. 237; 310; 100; 114; culmen, 18; height of bill at base, 16.5; tarsus, 26; middle toe and claw 24 mm.

7569 Cardinalis cardinalis. ♀ ad. 215; 293; 90; 98; culmen, 16; tarsus, 27; middle toe + claw, 23 mm.

7570 Cardinalis cardinalis. ♀ ad. 225; 290; 92; 107; tarsus, 27; middle toe + claw 23.

The first cactuses (Platopuntia) were seen at Ft. Worth. Going westward, red cedars + other timber similar to what we saw yesterday was found for several hours. Then a more desert-like region, near the Brazos River, was reached. Yuccas + arborescent cactus, greasewood and other western desert plants were seen and increased in numbers. A large colony of Prairie Dogs was crossed, near Baird.

February 2, 1892.

We breakfasted near Sierra Blanca Mt., in a range of barren mountains. The western desert flora prevailed everywhere + the soil was sandy. Reached El Paso near Noon.

7571 Carpodacus frontalis ♂ juv. Meas. on Table. El Paso.

A Coyote + Jack Rabbits seen at Sierra Blanca.

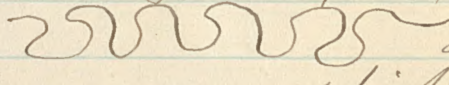
February 2 to 7, 1892. El Paso, Texas.

I have been busy preparing for the field, and preparing my reports + requisitions for medical supplies, and applications for Hospital Corps detail. On February 5th I ascended to the top of Mt. Franklin

for the purpose of viewing the country and observing the altitudinal range of the plants. The serrate-leaved Yucca (Dasylirion) & Spanish bayonet (Yucca), several species of cactus, a Rhus, four or five species of ferns, the two "false palo-verde," (Koeberlinia and) and a species of liverwort were found clear to the top, which is 5800 feet alt.

Descending on the N.E. side by a cañon an interesting Selaginella, oak bushes, a fern and several other plants were gathered which were not seen on the S.W. slope; and the underlying rock is a red granite (mostly feldspar?) instead of trap.

The course of the Rio Grande could be seen for many miles, from N.W. to S.E. It crosses into the U.S. just above the big smelter, from which point, above, it forms the boundary between Texas and New Mexico; while below it separates Texas from "old" Mexico. To the East of the Franklin Range a nearly parallel range arises in the distance, the intervening area being a level plateau.

Looking down the Rio Grande, the river is very crooked like this  and beyond it stretching to the S.E. is a range of high mountains. None of the mountains in sight are snow capped. Looking up the river, only a monotonous desert waste was seen. To the west, the boundary line between Mexico & New Mexico seems to pass over first a high peak, then onto a mesa which stretches for miles (perhaps 75) away to distant mountain peaks and ranges in the blue distance.

Only a few Cañon Towhees (Pipilo fuscus mesoleucus) and Rock Wrens (Salpinctes obsoletus) and one Red-tailed Hawk (Buteo borealis calurus) were seen, besides a Rat (Neotoma).

On February 7th I walked up to the site of the new post soon to be built 5 miles northeast of El Paso. Two miles beyond it we found a village of Prairie Dogs, two of which were shot. They were very shy.

The following mammals and birds have been seen or captured since we arrived.

Canis latrans. - Tracks numerous. Common.

~~Vulpes macrotis~~ ~~Bassaris astuta~~ Bassariscus. - Tracks seen. An animal probably this species carried off one of our steel traps set under the rocky rim of the mesa north of the city.

Procyon. Tracks seen in the Screw Bean patches near the Rio Grande River.

Cynomys. - A village was visited, on the mesa 7 miles N.E. of El Paso. A good many seen, but so shy that only two were shot.

Dipodomys ambiguus. - A dessicated skin & skeleton found under the rim-rock of mesa west of town. Tracks of this & Dipodops ordii abundant around sand hills east of the city.

Vesperimus eremicus. - Two trapped in crevices at base of mountains, among Spanish bayonets.

Bat. - Mr. Holzner shot at a large Bat Febr. 3d. Bats are said to be numerous in shafts of mines.

Foxes and Badgers are said to be here, but scarce, as are Wildcats also.

Lepus callotis } Three species of hares taken here belong
Lepus texianus (griseus) } near the above groups, but are all probably
Lepus arizonae } different from the Arizona forms.

Thomomys umbrinus? - Signs near the river; not abundant.

Birds:-

Cardinalis c. - A female seen in Juarez, in Mexico, on opposite bank of the Rio Grande.

Zonotrichia intermedia } The commonest birds unless the
Carpodacus frontalis }

Corvus cryptoleucus. - In flocks, sometimes numbering more than an hundred. They fly all about the city, especially on its edge, where they are almost as tame as chickens; but outside of city limits they are more shy. When one is shot the whole flock will fly croaking overhead affording an opportunity to kill others; but they soon mount upwards out of range, where they soar gracefully for a long time. A few shots fired at them will make them quite circumspect, however.

Accipiter fuscus? - Holzner has seen what he took for this.

Buteo borealis calurus. - Only one (adult) seen.

Dryobates scalaris bairdi. - One shot by Holzner.

Colaptes cafer. - Scarce; in cottonwoods by the River.

Otocoris a. arenicola? - Common in small flocks.

Agelaius phoeniceus. Common.

Sturnella neglecta. - Several seen.

Scolecophagus cyanocephalus. - Small flocks in town.

(El Paso, Texas — Feb. 2 – 7, 1892.)

Sayornis saya. — One seen February 4.
Carpodacus frontalis. — Abundant in El Paso.
Spizella breweri. — Common.
Amphispiza belli nevadensis. — Rather common.
Pipilo fuscus mesoleucus. — One on Mt. Franklin.
Lanius l. excubitorides. — Two shot; several others seen.
Harporhynchus crissalis. — One seen.
Campylorhynchus brunneicapillus. — Not rare.
Salpinctes obsoletus. — do
Thryothorus bewickii bairdi. — One shot by ~~[illegible]~~
Stephen Barlow when out with Holzner.
Sialia mexicana. — Common, chiefly affecting cottonwoods overgrown with mistletoe.

7572 Otocoris alpestris arenicola. ♀ ad. Febr. 4, 1892. Meas. on Table, p. 48.
7573 Campylorhynchus brunneicapillus. ♂ ad. Febr. 4, 1892 do
7574 Lanius ludovicianus excubitorides. ♂ ad. do do
7575 Zonotrichia intermedia. ♀ ad. do do
7576 " " ♂ ad. do do
7577 " " ♂ juv. do do
7578 Corvus cryptoleucus. ♂ ad. do do
7579 Lanius l. excubitorides. ♂ ad. Febr. 5, 1892. do
7580 do do
7581 do do
7582 Agelaius phoeniceus ♀ ad. Febr. 5, 1892 Not measured.
7583 " " ♂ ad. do do
7584 " " ♂ ad. do do
7585 " " ♀ ad. do do
7586 " " ♀ ad. do do
7587 ♀ ad. do do
7588 Corvus cryptoleucus. ♂ ad. Febr. 6, 1892 Meas. on Table, p. 48.
7589 ♀ ad. Feb 6, 1892 do
7590 Campylorhynchus brunneicapillus. ♀ ad. do do
7591 Salpinctes obsoletus ♂ ad. do do
7592 ♂ ad. do do
7593 Thryothorus bewickii bairdi sex? do do
7594 Pipilo fuscus mesoleucus ♂ ad. do do
7595 Spizella breweri. ♀ ad. do do
7596 Otocoris alpestris arenicola. ♀ ad. Febr. 7, 1892. do
7597 " " " ♀ ad. do do
7598 " " " ♂ ad. do do
7599 Salpinctes obsoletus. ♂ ad. do do
7600 Corvus cryptoleucus. ♂ ad. Febr. 3, 1892. Bill, with maxilla abnormally elongated into an attenuated hook. 507; 1060; 365; 219; culmen, 54; height of bill at base 23; tarsus, 61; mid. toe + cl. 55; cl., 16.5 mm. Iris very dark brown; Bill + feet black.

7601 Corvus cryptoleucus. ♀ ad. Febr. 3, 1892. 500; 1080; 363; 210; culmen, 50; height, 23; tarsus, 59; middle toe and claw, 53; claw, 15 mm.
7602 Lanius ludovicianus excubitorides. ♀ ad. Febr. 3, 1892. 233; 327; 105; 110; culmen, 16.5; tarsus, 27.5; mte., 23; Iris very dark brown. Bill bluish black. Feet black.
7603 Amphispiza belli nevadensis. ♂ ad. February 3, 1892. 171; 239; 81; 82.5; culmen, 10; tarsus, 22.5; mte, 18.
7604 Salpinctes obsoletus. ad. Febr. 8, 1892. Caught in a "cyclone" trap, set in a cactus. 151; 227; 71; 56; culmen, 17; tarsus, 21; middle toe and claw, 17 mm.
7605 Corvus cryptoleucus. ♀ ad. Febr. 9, 1892. 526; 1090; 364; 235; culmen, 52; tarsus, 60; mte, 57 mm.
7606 Corvus cryptoleucus. ♂ ad. Febr. 9, 1892. This and above (No. 7605) were a mated pair; poisoned with strych=nine on carcass of jack-rabbit. 520; 1080; 353; 221; culmen, 54; tarsus, 66; middle toe + claw, 48 mm.
7607 Calamospiza melanocorys ♂ ad. Febr. 9, 1892. 178; 294; 87; 71; culmen, 13; tarsus, 26; mte, 24 mm.
7608 Oreoscoptes montanus. ♂ ad. Febr. 9, 1892. 224; 310; 95; 93; cul., 18; mte 27.
7609 Carpodacus frontalis. ♂ ad. Febr. 10, 1892. 158; 251; 81; 68; culmen, 10; tarsus, 19.5; mte, 19. Singing
7610 Zonotrichia intermedia. ♂ juv. Febr. 10, 1892. 175; 250; 78; 77.5; cul., 11; tarsus, 25; middle toe and claw, 21 mm. Caught in cyclone trap; baited with crackers.
7611 Salpinctes obsoletus. ♂ ad. Febr. 10, 1892. 154; 235; 72; 69; 17; 22; 19 mm.
7612 Campylorhynchus brunneicapillus. ♂ ad. Febr. 11, 1892. Meas. on Table, page 48.
7613 " " ♀ ad. do do
7614 Zonotrichia intermedia juv. do do

Mammals:—

√1412 Vesperimus ~~eremicus~~ arenarius ♂ ad. Febr. 3, 1892. Length, 182; tail to end vert., 98; ear above crown, 16; tip of nose to eye, 12.5; centre of pupil, 14.5; occiput, 27.5; end of outstretched hinder extremity, 130; tip of ear, 42; longest whisker, 38; fore limb from olecranon, 25; manus, 12; hind limb from knee joint, 41; pes, 21. Caught in cyclone baited with salt pork, in a ravine, in a rocky hillside, amongst Spanish bayonet plants.
√1413 Lepus ~~callotis~~ texianus griseus. ♂ ad. Febr. 3, 1892. Length, 560; tail to end vert., 92; tip of nose to eye, 53; to ear, 94; to occiput, 105; height of ear 166; breadth of ear, 76; fore limb, measured from

olecranon, 166 ~~233~~; manus, 54; hind limb from knee-joint, 233; pes, 121 mm. Shot beside the Rio Grande.

✓1414 Dipodomys ambiguus ~~Tamias interpres~~, Merriam. ♀ad. Febr. 4, 1892. Dessicated skin and bones, picked up in a hole in a cliff at the top of the first mesa nw. of El Paso.

✓1415 Vesperimus ~~eremicus~~ arenarius ♀ad. Febr. 5, 1892. Length, 169; tail vert. 87; ear above crown, 14; tip of nose to eye, 13; to ear, 22; to occiput, 28; fore limb from olecranon, 18; manus, 10.5; hind limb from knee-joint, 37; pes, 21. Caught in same place as no. 1412.

✓1416 Lepus texianus. ♀ad. Febr. 6, 1892. Length, 511; tail vert., 80; height of ear above crown, 135; breadth, 78.5 from tip of nose to eye, 45.5; ear, 83; occiput, 92; fore limb from olecranon, 174; manus, 61; hind limb from knee-joint 229; pes, 118 mm. Same spot as No. 1413.

✓1417 Lepus (arizonae minor?). ♂ad. Febr. 6, 1892. Length, 378; tail vert. 62; height of ear, 83; breadth, 50; from nose to eye, 36; to ear, 62; occiput, 74 mm. f.l. 97; manus, 41; h.l. 154 pes, 83.

✓1418 Lepus (arizonae?). ♀ad. Febr. 6, 1892. Length, 315; tail vert. 44; height of ear. 77; breadth, 50; from nose to eye, 39; ear, 59; occiput, 70 mm; fore limb from olecranon, 99; manus, 39; hind limb from knee-joint, 154 pes, 84 mm.

✓1419 Lepus (arizonae?). ♀ad. Febr. 7, 1892. Length, 341; tail vert, 46; height of ear, 82; width, 49; from tip of nose to eye, 37; ear, 60; occiput, 73; fore limb from olecranon, 94; manus, 40; hind limb from knee joint, 159; pes 75

✓1420 Lepus ~~texianus~~ griseus. ♀ad. Febr. 7, 1892. Length, 597; tail vert. 111; height of ear from crown, 154; breadth of ear, 80; from tip of nose to eye, 54.5; ear, 96; occiput, 108; fore limb from olecranon, 186; manus, 65; hind limb from knee-joint, 260. pes, 130 mm.

✓1421 Lepus ~~texianus~~ griseus. ♀ad. Febr. 7, 1892. Length, 562; tail vert., 84; ear above crown, 139; breadth, 75.5; from nose to eye, 56; ear, 93; occiput, 109; fore limb from olecranon, 179; manus, 66; hind limb from knee-joint, 243; pes, 121 mm.

✓1422 Cynomys ludovicianus? ♀ad. Length 386. Febr. 7. tail vert, 89; height of ear, 6; nose to eye, 32; ear, 61; occiput, 71; fore limb from olecranon, 96; manus, 45; hind limb, 98.5; pes, 66 mm.

✓1423 Cynomys ♀ad. Febr. 7, 1892. Length, 318; tail vert., 80; nose to eye, 28; centre of pupil, 35; ear, 55; occiput, 63; length of tail to end of hairs, 105;

Has nursed young.
distance between eyes, 20; fore limb from olecranon, 82; ~~pes~~ manus 42; hind limb from knee-joint, 103; pes, 59; height of ear above crown, 5 mm. These two were shot near the new site of Fort Bliss, Texas

✓1424 Vesperimus ~~eremicus~~ arenarius. ♀ad. Febr. 8, 1892. Length, 197; tail vert, 105; nose to occiput, 29; ear, 14 (above crown); fore limb from olecranon, 24; manus, 11.5; hind limb from knee-joint, 42; pes, 21 mm.

1425 Tamias interpres, Merriam. ♀ad. Febr. 8, 1892. Length, 227; tail vert., 71; tail hairs, 96; nose to eye, 15; centre pupil 20; meatus 34; ear, 35; occiput, 42; end of outstretched hinder extremity, 234; fore limb from olecranon, 48; manus, 24; hind leg, 70; pes, 37 mm.

✓1426 Procyon hernandezii mexicana ♀ad. This skull was taken from a dead animal lying near a Mexican's house, Febr. 8, 1892. It had been kill a week or two previous.

✓1427 Vulpes macrotis, Merriam. ♀ad. Febr. 9, 1892. Length, 852; tail vertebrae, 318; height of ear above crown, 89; distance between eyes, 46; from tip of nose to eye, 54; centre of pupil, 64; ear, 110.5; occiput, 130; fore limb from olecranon, 204; manus, 85; hind limb from knee-joint, 284; pes, 134 mm. Caught in steel trap & then shot.

1428 Spermophilus spilosoma. ♀ad. Has nursed young. Febr. 9, 1892. Length, 232; tail vert, 82; fore limb from olecranon, 46; manus, 23.5; hind limb from knee-joint, 69; pes, 36; tip of nose to eye, 17; centre of pupil, 21; ear, 33.5; occiput, 42; tail, length to end of hairs, 100; distance between eyes, 19 mm.

1429 Dipodomys ambiguus. ♀ad. Febr. 9, 1892. Length, 263; tail vert., 148; height of ear above crown, 4.5; notch, 10; breadth, 11; nose to eye, 24; centre of pupil, 27.5; ear, 34; occiput, 41; fore limb from olecranon, 27; manus, 5.5; hind limb from knee-joint, 74; pes, 38.5 mm. Caught in Erie Rat trap, set on mound of mesquite, beside burrow, baited with cracker.

1430 Dipodomys ambiguus, Merriam. ♂ad. Febr. 9, 1892. Length, 245; tail vert. 140; height of ear above crown, 5; post. height (notch?), 13; breadth of ear, 12; nose to eye, 21.5; centre of pupil, 25; ear, 33; occiput, 39; fore limb, 27; manus, 6; hind limb, 68; pes, 37 mm. Cyclone trap.

1431 Tamias interpres. ♀ad. Febr. 11, 1892. Length, 227; tail vert., 72; tail, hairs, 96; tail width, 50; longest whisker, 47; distance between eyes 23; tip of nose to eye, 17; centre of pupil, 22; ear, 37; meatus, 36; occiput, 45; end of

outstretched hinder extremity, 245; fore limb from olecranon, 149; manus, 25; width, 8; cl., 6; hind limb from knee, 70; pes, 38; width, 9; cl., 5 mm. Caught in Erie rat-trap, baited with cheese.

February 12, 1892. El Paso, Texas.

To-day was cloudy throughout, with slight sprinkling in the evening. This afternoon I took a long walk, and saw three Gophers (~~Thomomys~~ Cratogeomys castanops) at the entrances of their burrows. Shot one and set steel-traps for other two. Holzner visited the traps, but caught nothing. Geomys and Thomomys are unusually active this afternoon. Weather cloudy all day.

1432 Geomys castanops ♀ ad. Length, 263; tail, 79.5; fore limb from olecranon, 70; manus, 33.5; hind limb from knee-joint, 58; pes, 35; distance between eyes, 24; tip of nose to eye, 29; ear, 43.5; occiput, 52 mm. Shot at entrance of burrow.

7615 Accipiter velox. ♂ ad. Measurements on Table.
7616 Lanius ludovicianus excubitorides. ♀ ad. do
7617 Auriparus flaviceps. sex? do
7618 Junco ♂. do
7619 Spizella breweri. ♂ ad. do
7620 Otocoris a. ♀ ad. do

February 13, 1892. El Paso, Texas.

Rained hard all night; hence the activity of Geomys and Thomomys. One of each was caught this morning in steel-traps set in the entrances of their burrows which they opened up yesterday afternoon before the rain commenced.

7621 Otocoris a. ♀ ad. Measurements on Table.
7622 " " ♂ ad. do
7623 Amphispiza belli nevadensis ♂ ad. do
1433 Thomomys umbrinus? ♀ ad. do
Mammae, 3 pairs, containing milk.
1434 Geomys castanops ♀ ad. Measurements on Table.
1435 Dipodomys ambiguus. ♂ ad. do
1436 " " ♀ ad. do
1437 " " ♀ ad. do
1438 " " ♀ ad. do
(Measurements in Holzner's Mammal Book)

February 14, 1892. El Paso, Texas.

1439 Dipodomys ambiguus. ♂ ad. Measurements on Table.
7624 Otocoris a. ♂ ad. do

February 15, 1892. El Paso, Texas.

1440 Thomomys umbrinus. ♂ ad. Measurements on Table.
7625 ♂ do

February 16, 1892. El Paso, Texas.

1441 Dipodomys ambiguus. ♀ ad. Measurements on Table.
1442 " " ♂ ad. do
1443 Dipodops ordii. ♂ ad. do
1444 Mus musculus. ♂. Some measurements on Table. Caught about a mile from the edge of town of El Paso.
7626 ♂ Measurements on Table N.M.
7627 ♂ do New. Mex.

February 17, 1892. El Paso, Texas and N. Mex.

Holzner moved to the Commissioners' camp on the Rio Grande, at the point of crossing of the River into the United States, on February 15th. Some of his specimens are from the Texas side and others from New Mexican side. They are marked, respectively Tex or N. M. I remain at El Paso.

7628 Junco sex? Measurements on Table.
7629 Junco ♀ do
7630 Otocoris ♂ ad. do
7631 sex? do
7632 Salpinctes obsoletus. ♂ ad. do
1445 Dipodomys ambiguus. ad. Alcohol. do (some)
1446 " " ♀ ad. do
1447 " " ♂ ad. do
1448 ad. Alcohol do (some)
1449 Vespertilio hesperus ♂ ad. Bat. do
1450 Tamias interpres. ♀ ad. Some measurements on Table.

February 18, 1892. El Paso, Texas, & N. Mex.

I am trapping between El Paso and camp. Most of Mr. Holzner's trapping is on the New Mexican bank of the River.

1451 Geomys arenarius ♀ ad. Contained a small foetus, which was preserved in alcohol. Measurements on Table.
1452 Neotoma ~~mexicana~~ intermedia angusticeps Sex. ad. Some do. Caught in steel-trap, and partially eaten by a Skunk (M. estor).
1453 Dipodops ordii. ♀ ad. Measurements on Table.
1454 Dipodomys ambiguus. ♀ ad. do
1455 Thomomys umbrinus. ♀ ad. Contained two (2) large foetuses, which were preserved in alcohol.
1456 Vesperimus eremicus. ♀ ad. Measurements on Table.

No.	Species	Sex	Length	Tail vertebrae	Tail to end of hairs	Ear above crown	Ear above notch	Distance between eyes	Diameter of eye	Longest whiskers	eye	centre of pupil	ear	tip of ear	occiput	Ext. of outstretched limbs, extremity	Fore limb from olecranon	Manus, length	Longest claw of manus	Hind limb from knee-point	Pes, length	Longest claw of pes
1508	~~Dipodops~~ Perodipus ordii	♀ ad.	head + body 103	broken		9.8	13	21	6.2	60	23.	26	34	49	40	183	31.5	13.	4.	69	37	4.
1509	" "	♀ ad.	240.	133	165	10.	13.	21	6.1	60	22	25	34	50	40	182.	31	13.	4	70	37	4.
1510	Dipodomys merriami ambiguus	♂ ad.	245.	141	181	10.5	14.5	21	5.7	63	23	26	34	48.5	40	185	31	12.	4.4	72	38.5	4.
1511	" "	♀ ad.	250	151	175	10.5	14.5	21	6.	55	22	26	34	48	38	181	31	12	4.6	71	39	4.
1512	~~Vesperimus eremicus~~ Peromyscus eremicus arenarius	♀ ad.	200.	111	116	15.	18.	9.	4.	40	13.	15.5	23	43.	29	140	26.	12.	1.8	42.	21.	1.8
1513	" " "	♂ ad.	198	106	111	15.	18.	9.	4.	42	13.5	16.	23	44	29	138	25	12.	1.8	42	21.5	1.8
1514	" " "	♂ ad.	191	106	111	15	18.	9.	4.	43	13.	15.5	23	43	28.	133	24	11.5	1.8	41	21.	1.8
1515	Peromyscus / Vesperimus sonoriensis	♂ ad.	171	75	80	13.5	16	10.	4.5	45	14.	17.5	26	44	31	145	27.	13.	2.	44.	23	2.
1507	Peromyscus / Vesperimus	♂ ad.	182	85		14	17				14	17.5	23.5		31		25	13		44	22.5	

(Febr. 18 – Concluded.)

1457 Vesperimus (sonoriensis ?). ♀ ad. Measurements on Table.
1458 " " ♂ ad. do
1459 " " ♂ ad. do
1460 " " ♀ ad. do

February 19, 1892. El Paso, Tex. and N. Mex.

1461 Sigmodon ♂ ad. Measurements on Table.
1462 Dipodops ordii. ♀ ad. do
1463 Vesperimus (sonoriensis ?) ♀ ad. do
1464 " eremicus ♂ ad. do
1465 Tamias interpres. ♀ ad. do
1466 Lepus (bachmani ?) ♂ ad. do
1467 Dipodomys ambiguus. ♀ ad. do
1468 Onychomys ~~torridus~~ pallescens ♀ ad. do
1469 Vesperimus eremicus. ♀ ad. do
1470 " " ♀ ad. do
1471 " " ♂ ad. do
1472 Mephitis estor. ♀ ad. do
1473 Tamias interpres. ♂ ad. do

February 20, 1892. El Paso, Texas and N. Mex, etc.

7633 Corvus cryptoleucus ♂ ad. } Measurements on Table.
7634 " " ♀ ad. } pair mated. do
7635 Zonotrichia intermedia ♂. Cyclone trap. do
7636 Pyrrhuloxia sinuata ? ad. } Shot at Isletta, 14 miles below El Paso,
7637 Aphelocoma woodhousei. ♀ ad. } on the Rio Grande River, Texas, by Stephen Barlow.
7638 Harporhynchus crissalis ♀ ad. } Measurements on Table.
1474 Tamias interpres ♂ ad. Measurements on Table. El Paso, Tex.
1475 Onychomys ~~torridus~~ pallescens ♂ ad. do
1476 Dipodomys ambiguus. ♀ ad. do
1477 Spermophilus spilosoma. ♂ ad. do

February 21, 1892. El Paso, Texas, and New Mexico.

1478 Vesperimus eremicus, ♂ ad. Measurements on Table.
1479 Vesperimus sonoriensis ♀ ad. do
1480 Dipodops ordii. ♂ ad. do
1481 Dipodomys ambiguus. ♀ ad. do
1482 " " ♀ ad. Not measured; imperfect; in alcohol.

(Concluded next page – skip Febr. 22.)

February 22, 1892. El Paso, Texas & N. Mex.

7639 Dryobates scalaris bairdi. ♂ ad. Meas. on Table
7640 " " " ♀ ad. do Shot by Stephen Barlow.
7641 Sialia mexicana. ♂ ad. do do
7642 " " ♂ ad. do do

(Febr. 22 – Concluded.)

1483 Vesperimus eremicus. ♂ ad. Meas. on Table.
1484 " " ♂ ad. do
1485 Vesperimus sonoriensis. ♀ ad. do
1486 " " ♂ ad. do
1491 Dipodomys ambiguus. ♂ ad. Not measured.

(Febr. 21, 1892 – Concluded.)

1487 Tamias interpres ♂ ad. Measurements on Table
1488 " " ♂ ad. do
1489 Spermophilus spilosoma ♂ ad. do
1490 Thomomys umbrinus ♂ ad. do

February 23, 1892. El Paso, Texas and New Mexico.

1492 Vesperimus eremicus arenarius ♀ ad. Meas. on Table.
1493 Peromyscus eremicus arenarius ♀ ad. do
1494 Vespertilio Lasiurus ♀ ad. Length, 83 mm. Preserved in alcohol.
1495 Free-tailed Bat (Nyctinomus) ♂ ad. do
1496 Dipodomys ambiguus. ♀ ad. Not measured.
7643 Zonotrichia intermedia. ♀. Measurements on Table.
7644 Sayornis sayi. ♂ ad. do Shot by Stephen Barlow.
7645 Corvus cryptoleucus ♂ ad. do do
1501 Tamias interpres. ♀ ad.

February 24, 1892. El Paso, Texas and New Mexico.

1497 Vesperimus eremicus ♂ ad. Meas. on Table.
1498 " " ♂ ad. do
1499 " " ♀ ad. do
1500 Vesperimus sonoriensis. ♀ ad. do
1502 Dipodomys ambiguus. ? ad. Not measured; in alcohol.
1503 " " ♀ ad. Not measured.
1504 Mus musculus ♀ ad. Meas. on Table } Prisson House. Caught by
1505 " " ♂ im. do } Col. Barlow.
1506 " " ♂ ad. do } Very dark.

February 25, 1892. El Paso, Tex & N. Mex.

1507 Vesperimus eremicus ♂ ad.
1508 Dipodops ordii. ♀ ad. Meas. on Table.
1509 " " ♀ ad. do
1510 Dipodomys ambiguus. ♂ ad. do
1511 " " ♀ ad. do
1512 Vesperimus eremicus ♀ ad. do
1513 " " ♂ ad. do
1514 " " ♂ ad. do
1515 Vesperimus sonoriensis. ♂ ad. do

No.	1892 Febr.	Species	Sex	Length	Alar expanse	Wing	Tail	Culmen	Tarsus	Middle toe & claw
7571	2	Carpodacus frontalis	♂ juv.	150	251	80	65.5	12	18	17.5
7572	4	Otocoris	♀ ad.	168	308	96	69.	10	21	17.
7573	4	Campylorhynchus brunneicapillus	♂ ad.	212	288	91	85	24.5	27	23.
7574	4	Lanius l. excubitorides	♂ ad.	223	320	101	105	15.5	28	21.
7575	4	Zonotrichia intermedia	♀	168	244	78	78	11.	22	22.
7576	4	" "	♂	162	236	76	72	11.	22.5	21.
7577	4	" "	♂	172	257	80	78	11.	23.5	22.
7578	4	Corvus cryptoleucus	♂ ad.	495	1020	340	211	49.	62.	50.
7579	5	Lanius l. excubitorides	♂ ad.	238	340	103	112	17.	29	28.
7580	5	?	♂	175	331	102	70.5	10.	22.	19.
7581	5	?	♀	180	339	107	72.	20.	19	19.
7582	5	Agelaius	♀							
7583	5	"	♀							
7584	5	"	♀							
7585	5	"	♀							
7586	5	"	♀							
7587	5	"	♀							
7588	6	Corvus cryptoleucus	♂ ad.	531	1080	355	221	52.	66.	59
7589	6	" "	♀ ad.	504	1005	342	208	48	60	54
7590	6	Campylorhynchus brunneicapillus.	♀ ad.	212	275	88	84	23	29	22
7591	6	Salpinctes obsoletus	♂ ad.	156	236	73	57	20	22	18.5
7592	6	" "	♂ ad.	158	239	76	57	20	21	18.
7593	6	Thryothorus b. bairdi	sex?	147	177	58	64	14	18	16.
7594	6	Pipilo f. mesoleucus	♂ ad.	224	318	101	110	15.5	25.	24.
7595	6	Spizella breweri	♀ ad.	140	210	67	68	10.	18.5	17
7596	7	Otocoris	♀ ad.	172	315	99	69	11.	20.	18.
7597	7	"	♀ ad.	169	315	99	66	11.	21.	18.
7598	7	"	♂ ad.	182	340	111	81	12.	23.	18.
7599	7	Salpinctes obsoletus.	♂ ad.	155	242	73	60	17.	22.	17.5
7600	3	Corvus cryptoleucus	♂ ad.	507	1060	365	219	54 hight 23	61	55. cl. 15
7601	3	" "	♀ ad	500	1080	363	210	50	59	53
7602	3	Lanius l. excubitorides.	♀ ad.	233	327	105	110	16.5	27.5	23.
7603	3	Amphispiza b. nevadensis	♂ ad.	171	239	81	82.5	10.	22.5	18.
7604	8d.	Salpinctes obsoletus	ad.	151	227	71	55	17	21	17
7605	9	Corvus cryptoleucus	♀ ad	526	1090	364	235	52	60	57
7606	9	" "	♂ ad	520	1080	353	221	54	65	58? 48?
7607	9	Calamospiza melanocorys	♂ ad.	178	294	87	71	13	26	24
7608	3	Corvus cryptoleucus	♀ ad.	500	1080	363	210	50	59	53
7609	10	Carpodacus frontalis.	♂ ad.	158	251	81	68	10	19.5	19
7610	10	Zonotrichia intermedia	♂ juv.	175	250	78	77.5	11	~~19.5~~ 25.	21
7611	11	Salpinctes obsoletus.	♂ ad.	154	235	72	59	17.	22.	19.
7612	11	Campylorhynchus brunneicap[illus]	♂ ad.	215	287	92	85	24.	29.	26.
7613	11	" "	♂ ad.	209	272	83	81	21.5	27.	23.5
7614	11	Zonotrichia intermedia.	♂ ad.	165	239	77	75	11.	23.	21.5

No.	1892 Febr.	Species	Sex	Length	Alar expanse	Wing	Tail	Culmen	Tarsus	Middle toe and claw
7615	12	Accipiter velox	♂ ad.	289	551	180	157	11.	46.	38.
7616	12	Lanius l. excubitorides	♀ ad.	232	320	101	107	15.	25.	21.
7617	12	Auriparus flaviceps	sex?	112	180	57.	53.	9.	16.5	12.
7618	12	Junco	♂	161	250	84	73.	11.	21.	19.
7619	12	Spizella breweri	♂ ad.	139	198	64	61	9.	18.	16.5
7620	12	Otocoris a.	♀ ad.	170	312	103	71.	10.5	20.	16.
7621	13	" "	♀ ad.	170	320	101	67.	11.5	21.	17.
7622	13	" "	♂ ad.	191	357	116	82.	12.5	23.	21.
7623	13	Amphispiza b. nevadensis.	♀ ad.	168	264	83.	77	11.	23.	18.5
7624	14	Otocoris a.	♂ ad.	183	340	115	81	12.	21.5	19.
7625	15	Sayornis sayi	♂ ad.	206	341	110	87.	17.	21.	19.
7626	16	Amphispiza bilineata	♂ ad.	146	225	71.	64.	11.	20.5	18.
7627	16	Dryobates scalaris	♂ ad.	186	328	108	70	24.	18.	19.
7628	17	Junco	sex?	157	244	77	68	11	22	18
7629	17	"	♀ ad.	154	242	75	66	11	22	18
7630	17	Otocoris a.	♂ ad.	191	350	117	83	11.5	20	17
7631	17	Amphispiza bilineata	sex?	149	218	73	68	11.	17.	15.5
7632	17	Salpinctes obsoletus.	♂ ad.	152	229	75	57.5	17.	21.	17.
7633	20	Corvus cryptoleucus	♂ ad.	545	1085	381	233	56	60	51.
7634	20	" "	♀ ad.	505	1027	355	216	49	60	44
7635	20	Zonotrichia intermedia	♂ ad.	179	261	85	80	11	23	22
7636	20	Pyrrhuloxia sinuata		219	310	99	109	13	26	24
7637	20	Aphelocoma woodhousei.	♀ ad.	298	402	130	140	25	40	31
7638	20	Harporhynchus crissalis	♀ ad.	297	323	101	125	36	33	29
7639	22	Dryobates scalaris bairdi	♂ ad.	186	342	111	74	21	18	18.5
7640	22	" " "	♀ ad.	193	351	112	74	19.5	19.5	20
7641	22	Sialia mexicana bairdi	♂ ad.	172	320	114	68	12.5	21.	20.
7642	22	" " "	♂ ad.	179	330	110	71	12.5	22.	20
7643	23	Zonotrichia intermedia	♀	171	246	77	76	10.7	23	21
7644	23	Sayornis sayi	♂ ad.	202	335	108	88	18.	21	16.5
7645	23	Corvus cryptoleucus.	♂ ad.	546	1080	360	216	53	63	55
7646	25	Junco	♂ ad.	163	258	86	74.5	10.5	23.	19
7647	25	"	♀ ad	164	240	75	71	11.	22.	20
7648	25	Zonotrichia intermedia	sex?	176	249	81	79	11.	26.	19.
7649	27	Sayornis sayi	♂ ad.	200	326	108	88	16.	20.	17.
7650	27	Zonotrichia ~~frontalis~~ ~~intermedia~~	♂	169	230	72	74	10.5	22.5	20.
7651	27	Carpodacus ~~cryptoleucus~~ frontalis	♂ juv.	156	254	82	69	10.	19.	19.
7652	27	Corvus cryptoleucus	♂ ad.	525	1080	356	226	52.	67	52
7653	27	Ardea herodias	♀ ad.	Not measured. (See page 16.)						
7654	27	Sialia mexicana	♂ ad.		do					
7655	27	" "	♀ ad.		do					
7656	27	Dryobates scalaris	♀ ad.		do					
7657	27	Carpodacus frontalis	♂ juv.		do					
7658	27	Spizella breweri	♂ ad.		do					

7653 *Ardea herodias*, ♀ ad. Some eggs considerably developed. Stomach contained a quantity of small fishes, which were preserved in alcohol. Shot in Mexico from the Texas side of the Rio Grande River, by Holzner, with rifle. February 27, 1892. 1120; 1770; 485; 185; Length to end of claws, 1440; culmen, 134; height of bill at base, 28; width, 22; tip of bill to occiput, 218; to centre of pupil, 168; base of bill to occiput, 85; diameter of eye, 13; head of tibia to end of claws, 515; tibia, 235; bare portion, 95; tarsus, 170; middle toe & claw, 118; middle toe, 162; claw, 15; hinder toe, 60; cl., 19; inner claw, 14; outer claw, 12.5.

7659 *Phalaenoptilus nuttalli*. ♂ ad. New Mex. 204; 433; 147; 88; 6.5; 18; 21.5. Goatsucker; February 29, 1892. Rio Grande River near El Paso.

Ampelis cedrorum. — Seen on both sides of the Rio Grande at Ft. Bliss, Texas, feeding on missletoe berries in the cottonwoods. Febr. 29, 1892.

Totanus melanoleucus. — Several shot. have been present during the month. Febr. 29, 1892.

March 2, 1892. Camp near El Paso, Texas.

Tamias interpres. ♂ ad. Mexico, near El Paso. Measurements on Table.

7660 *Accipiter cooperi* ♀ ad. do Length, 475; expanse, 870; wing, 272; tail, 234; culmen 17.5; tarsus 68; mid. toe, 56. Iris cherry-red. Cere, mastax and tomia pale apple-green. Feet greenish yellow.

7661 *Totanus melanoleucus* ♂ ad. El Paso, Texas. March 4, 1892. Shot by Stephen Barlow. 359; 645; 202; 83; 59; 65; 43.5 mm.

7866 *Corvus cryptoleucus* ♀ ad. Camp No. 3, near Lake Palomas, Mexico. April 11, 1892. 527; 1065; 355; 217; 50; 58; 52.

7865 *Callipepla squamata* ♂ ad. Camp No. 3, near Lake Palomas, Mex. April 11, 1892. Not measured. Van Orman shot with rifle.

Harporhynchus crissalis, — Set of 2 eggs taken at Camp 2, 49.6 m. west of El Paso, Texas, Lat. 31°47' Long 30°15'. Meas. 30.5×21; 29×20.8 mm. Eggs destroyed. Taken on (No. 4003. sup. p. 100) March 30, 1892. Nest in mesquite, 4 ft. above the ground.
Another set of two taken at same place, March 26, 1892, measure 27×19; 27×19.2 mm. This set was preserved. Nest in Ephedra ~~nivadensis~~ bush, 2½ ft. above ground.

Cariacus macrotis.

		(1592)	(1580) March 23.	(1581) 26
Sex & age		2 ♀ ad.	♀ ad.	♀ ad.
Total length in straight line		1570	1535	1510 (over 1500)
Tail vertebrae		205	205	170
Tail to end of hairs		300	320	250
Ear above crown		225	240	220
" " notch		200	200	190
" width		140	140	170
Between eyes		110.	103	118
Diameter of eye		20.	27	22
Chest girth	830	850	170	800
Tip of nose to eye		167	190	180
" " centre of pupil		185	~~260~~	195
" " ear		280	260 (over ~~495~~)	290
" " tip of ear		500	495	510
" " occiput		300	310.	320
Height at shoulder (to top of back)		900.	950	910
" " hip "	1000	~~530~~	1050	1010
Fore limb from coracoid	720.	~~310~~	750	710
olecranon	Ins. j. 330	580.	603	850 (580)
Manus length		310.	330	310
Hind limb from great trochanter (~~head of femur~~)		865	950	910
" " knee-joint		715	710	660
" " pes, length		450.	464.	450
Head of humerus to head of femur		680.		680
No.		1592	1580	1581

Nos. 1657 and 1658 *Canis latrans* ♂ ad. Camp No. 3, near Lake Palomas, Mexico, April 12, 1892. Length to end of caudal vertebrae, 1230 (over 1110); Tail vert., 345–330 (over ~~425~~); hairs, 410 (over 425); Ear above crown, 122 (over 133); notch, 113 (over 118); between eyes, 48 (over 45); diameter of eye, 17 (over 17); chest girth, 430 (over 440); longest whiskers, 90 (over 70). Tip of nose to front teeth, 27 (over 27); angle of mouth 116 (over 108); eye, 105 (over 99); centre of pupil, 117 (over 109); ear 191 (over 175); tip of ear, 330 (over 323); occiput, 225 (over 205); end of outstretched hinder extremity, 1260 (over 1260); fore limb from olecranon, 337 (over 325); coracoid, ~~480~~ 440; manus, 140 (over 130); longest cl., 17 (over 17). Hind limb from great trochanter, 485 (over 470); Knee-joint, 345 (over 395); pes, 205 (over 193); longest claw of pes, 15 (over 14). Caught in steel-trap set beside my tent.
Weight 24 (over 24)
Measurements of No. 1658 over those of 1657.
No. 1658 was trapped April 12, 1892.

No.	1892 Febr.	Name	Sex & Age	Length	Tail vertebrae	Tail to end of hairs	Ear height above crown	Ear height above notch	Distance between eyes	Diameter of eye	Longest whisker	Eye	Centre of pupil	Ear	~~Tip of tail~~ Eng. Hd. lg.	Occiput	Fore limb from olecranon	Manus	Longest claw	Hind limb from knee-joint	Pes	Claw
1444	16	Mus musculus.	♂	161	79		10														19.	
1448	17	Dipodomys ambiguus	? ad.	228											175	38	1				38	
1449	17	Vespertilio hesperus	♂ ad.	78	31	Alar		expanse, 222				7		10.		13	ear above crown, 9.5; notch,					11.
1452	18	Neotoma	ad.	Eaten	in	trap		Tail vert. 123.												65.	33	
1456	18	Vesperimus eremicus	♀ ad.	187	95	100	16.5	20.	9.	4.	43	13.5	16.	24.	140 ~~27~~	29	26	12	1.5	43	21	2.2
1457	18	Vesperimus sonoriensis?	♀ ad.	193	88	94	14.5	18.5	10.5	4.5	41	15.	18.	27.5	155	32	27	13	2	45	23	2.5
1458	18	" "	♂ ad.	192	90	96	12.	15.5	10.5	4.5	45	15	18.	27.	151	31	26	12.5	2	44	23.	2.5
1459	18	" "	♂ ad.	180	79	85	15.	18.5	10.5	5.	45	15	18.	27.	153	31	28	13.	2.	45	23.5	2.5
1460	18	" "	♀ ad.	195	91	97	14.5	18.	10.	4.5	45	15.	18	27.5	156	32	28	13	2.	46	23	2.6
1461	19	Sigmodon	♂ ad.	242	103	108	14.	19.5	11.5	5.2	40	16.	18.5	33	200	37	35	15.7	3.	56	30	3.6
1463	19	Vesperimus sonoriensis	♀ ad.	202	115		14.	18.	12.	4.	47	16.	19.5	28	143	31	24.	11.	2	45	22	2.5
1464	19	" eremicus	♂ ad.	187	103		15.	19.	11.5	4.5	40	14		22	133	28	22.5	10.		43	21	
1466	19	Lepus bachmani (Tip of nose to tip of ear, 144)	♂ ad.	320	46	70	80.	68	36	11.5	72	36.	43.	63.	470	67	97	40.	6.5	160	84	8.
1468	19	Onychomys torridus — T.f. of ear 50	♀ ad.	166	50	54	15.	19.	12.5	4.2	40	16.	18.5	29.	172	36.	33.	16.5	47	24	fore claw 3.3	hind cl. 3
1469	19	Vesperimus eremicus — 43	♀ ad.	182	95	100	15.5	19.	10.	4.	42.	13.	15.5	24	133	29.	24	11.5	42	21	5.3	3
1470	19	" " — 43	♀ ad.	183	96	100	15.	19.	10.	4.	40	13.	15.5	24	135	29.	24	11.5	41	20	1.8	2
1471	19	" " — 43	♂ ad.	191	100	105	14	18.	10.	4.	40	13.	15.5	24.	135	29.	25	12.	41	21	1.8	2
1472	19	Mephitis estor	♀ ad.	620	305	440	15	25.				35	39	64	490	84	108	50	14	130	65	8
1475	20	Onychomys torridus — 45	♂ ad.	160	49	53.	16.	20.	12.	4.2	40	15.5	18.	27	155	33.5	32.	16.	3.5	45.	23.	3.
1478	21	Vesperimus eremicus — 42	♂ ad.	181	92	97	14.	17.	10.	4.	41	12.5	15.5	24	134	28	24.5	12	1.8	41	20.5	2.
1479	21	" sonoriensis — 41	♀ ad.	164	72	75	11.	15.	10.	4.7	40	13.5	16.3	24.5	139	30	26.	13	2.	42	22.	2.3
1482	21	Dipodomys ambiguus	ad.	Not	measured;	in		alcohol; side of head mice-eaten.														
1483	22	Vesperimus eremicus	♂ ad.	194	112	117	15.5	20.	11.	4.	39	12.	15.	23.	28.	138	23.	10.	2.	43	20.5	2.
1484	22	" " — 44	♂ ad.	191	101	106	14.	19.	9.8	4.5	44	13.	16.	24	29.5	138	25.5	12.	2.	42	21.5	2.
1485	22	Vesperimus sonoriensis — 45	♀ ad.	186	83	88	13.5	17.	10.	4.	43	15.5	18.	27	31.5	153	26.	12.	2.1	43	22.5	2.
1486	22	" "	♂ ad.	177	81	86	11.	15.	10.2	4.3	42	14.5	17.	27.	30.5	143	25.	11.5	2.	42	22.	2.
1491	22	Dipodomys ambiguus	♂ ad.	Not	measured;	in		alcohol.														
1492	23	Vesperimus eremicus	♀ ad.	184	105	110	13	16	11.	3.5	39	14.	15.5	22	130	27	23	9.		40	19.5	
1493	23	" eremicus	♀ ad.	184	100	105	15	18	11.	4.	39	14.		23	131	29	23.5	10		44	22.	
1494	23	Vespertilio (alcohol)	♀ ad.	83																		
1495	23	Free-tailed Bat "	♂																			
1496	23	Dipodomys ambiguus	♀ ad.	Not	measured;	pre=		= ~~served in alcohol~~. skin.														
1497	24	Vesperimus eremicus	♂ ad.	186	94		15	18.5	11.	4	39	14		23	133	29.5	23	10.		39	20.	
1498	24	" "	♂ ad.	189	96		14	16.	11.	4	33	13	15	23.	133	28.	23.	9.5		44	21.	
1499	24	" "	♀ ad.	200	107		14	18	11.	4	43	14	16	25.5	142	30.	26.5	11.		44	21.	
1500	24	Vesperimus sonoriensis	♀ ad.	181	81		15	18	12.46		41	16	18	25.	146	32.	28.	11.		45	24.	
1502	24	Dipodomys ambiguus	ad.	Not	measured;	pre=		=served in alcohol.														
1503	24	" "	♀ ad.	Not	measured.	Skin.																
1504	24	Mus musculus	♀ ad.	176	89		12.														18	
1505	24	" "	♂	168	83		10.5														19	
1506	24	" "	♂ ad.	182	87		12.														18.5.	
1507	25	Vesperimus sonoriensis	♂ ad.	182	85		14	17.				14	17.5	23.5		31	25.	13.		44	22.5	
1508	25	Dipodops ordi. (nose to tip of ear 49)	♀ ad.	Head+body 103	broken		9.8	13.	21.	6.2	60	23	26	34.	183	~~49~~ 40	31.5	13.	4.	69	37.	4.

No.	1892 Feb.	Species	Sex	Length	Tail vert.	Tail hairs
1509	25	Dipodops ordi	♀ ad.	240.	133	165
1510	25	Dipodomys ambiguus	♂ ad.	245	141	181
1511	25	" "	♀ ad.	250	151	175
1512	25	Vesperimus eremicus.	♀ ad.	200	111	116
1513	25	" "	♂ ad.	198	104	111
1514	25	" "	♂ ad.	191	106	111
1516	26	Vesperimus sonoriensis	♂ ad.	175	76	80
1517	26	Vesperimus sonoriensis	♀ ad.	~~175~~ 182	~~76~~ 82	
1518	26	" "	♂ ad.	196	90	
1519	27	Perognathus penicillatus	♀ ad.	160	77	92.
1520	27	Dipodops ordii	♂ ad.	248	134	163
1521	27	Dipodomys ambiguus	♂ ad.	·	123	157
1522	27	" "	♂ ad.	270	160	197
1523	~~29~~ 27	Vesperimus sonoriensis	♀ ad.	170	75	80
1525	29	Perognathus penicillatus	♂ ad.	165	93	108.
1526	29	Vesperimus eremicus.	♂ ad.	199	98.	103
1527	29	Geomys arenarius merriami.	♂ ad.	255	82	—
1528	29	Onychomys (melanophrys?)	♂ ad.	137	53	57
1529	29	Lepus s. bachmani	♂ ad.	~~Not~~ 333	~~measured.~~ 49	76
1530	29	Vespertilio hesperus	♂ ad.	Not	measured	
1533	March 4	Neotoma mexicana	♀ ad.	274	127	
1534	5	" "	♂ ad.	300	132	
1515	Feb. 25	Vesperimus sonoriensis	♂ ad.	171.	75.	80.
1535	March 12	Little Brown Bat (Vesperugo hesperus)	♂ ad.	Not	measured;	
1524	Feb. 27	Tannas interpres	♂ ad.		do?	
1531	March 2	" "	♂ ad.			
1532	3	" "	♂ ad.			
1538	12	Little Brown Bat (Vesperugo hesperus)	♂	Not	measured;	
1536	12	" " " " "	♂		do	
1537	12	" " " " "	♂		do	
1539	12	" " " " "	♂		do	
1540	12	" " " " "	♂		do	
1541	12	" " " " "	♂		do	
1542	12	" " " " "	♀		do	
1543	12	" " " " "	♀		do	

Note – Measurements of Nos. 1434 to 1731 are entered in Holzner's mammal book.
Measurements of Nos. 1412 to 1432 entered on pp. 7-10 of this book
" " 1444 to 1543 " " 18-20 " "
Measurements of Deer, Antelope, Coyotes, Bears, Peccaries on " 17, 24, 198 " "
Measurements of Nos. 1711 to 2417 " " 200 to 234 " "

No.	Ear above crown.	Ear above notch	Distance between eyes.	Diameter of eye	Longest whiskers	Eye	Centre of pupil	Ear	Tip of ear	~~Tip of ear~~ Occiput	End of outstretched hinder lgth.	Fore limb from olecranon.	Manus	Longest claw of manus.	Hind limb from knee-joint	Pes	Longest claw of pes
1509	10.	13.	21.	6.1	60.	22.	25.	34	50.	40.	182.	31.	13.	4	70	37	4
1510	16.5	14.5	21	5.7	63.	23.	26.	34.	48.5	40	185	31.	12	4.4	73	38.5	4
1511	10.5	14.5	21	6.	55.	22.	26.	34	48.	38.	181	31.	12	4.5	71	39.	4.
1512	15.	18.	9.	4.	40	13.	15.5	23	43.	29	140	26.	12	1.8	42	21	1.8
1513	15.	18.	9.	4.	42.	13.5	16.	23.	44.	29.	138	25.	12	1.8	42	21.5	1.8
1514	15.	18.	9.	4.	43	13.	15.5	23.	43.	28	133	24.	11.5	1.8	41	21.	1.8
1516	12.	14.	10.	4.		14.	16	27.5		29.		26	11.5		41	21.	
1517	14.	18.	13	4.5		15.		27.		30		24	11.		44	23.5	
1518			13	6.		16.		26		30		27	12.		43	23	
1519	5.	8.	9	3.2	38	14.	16.2	21.	30	27.	118	22.	10.	3	38.	22.	3.
1520	10.8	15	21.	6.	67	24.5	27.	37.	51	42.	198	33.5	14.	5.	77.	39.	4.4
1521	10.5	15	20	6.	59	23.	26	33.5	49	39.	185	31.5			73.	39.5	4.2
1522	11.	15.5	20	6.1	65	23.5	26.	34.	49	40	190	31.	13.5	4.5	76.	40.	4.
1523	13.5														44	23.	
1525	5.2	8.5	9.	3.5	36	14.	16.2	21.	29	26.5	115	21.	10.	3	38	21.5	2.8
1526	15.	18.	8.5	4.5	44	13	15.5	23.	~~44~~	29	134	25.	19. (12)	1.7	41	21.	1.7
1527			18.5	4.	31.	22.5	26.	38		49.	230	62.	~~34~~ 34	13.	61	33.	5.
1528	14.	17.	10.	4	38	13	15	21.5	40	29.	133	28	13.4	3.	41	21	2.7
1529	~~Preserved in alcohol~~ 279	65	32	1.3	82.	36.	44.	60.	69.			96	41.			81.	
1530	Preserved in alcohol.																
1533	23.	27.5	18.	7.	58.	21.5		39	64	44	213	43	16	2.8	60.	29.	3
1534	22.5	28.5	16.	7.	75	23.	27.	39	71.	49	246	47	20.	3.	67.	34	3
1515	13.5	16.	10.	4.5	45	14.	17.5	26.	44.	31.	145	27.	13.	2.	44.	23.	2.
1535	preserved in alcohol											~~96~~	~~41.~~			~~81~~	
1524																	
1531																	
1532																	
1538	preserved in alcohol.																
1536			do														
1537			do														
1539			do														
1540			do														
1541			do														
1542			do														
1543			do														

Aquila chrysaëtos. – Three eggs were taken March 24, at Camp No. 2. 49.6 m. W. of El Paso, Texas. Measurements: (a) 61 X 77; (b) 59.5 X 77; (c) 60 X 76 mm. A. – Pure white ground; heavily blotched with umber, pretty uniformly distributed, but most numerous at the great end. B. – With heavy markings less numerous, but with the great end smeared with paler, yellowish drab-brown, so as nearly to conceal the white ground. C. – Similar to "B", but showing much more of the white ground; the mark=ings being quite sparse on the half towards the little end, which is mostly white. It is intermediate between A + B.

The nest was built on a shelf of the cliff of Eagle Crag, a mountain 1½ miles south of monument No. 5 (Emory's), on the east side, in front of a crevice, about 50 feet from the base of the cliff, and 30 feet from the top. A soldier was lowered down by a rope; and the eggs were drawn up in a fish-basket. All had been pecked slightly by White-necked Ravens. There were other disused nests on each side of the mountain. We visited the mountain many times before and after the eggs were taken, but only saw the old bird there twice, and very shy on both occasions, so that a shot could not be had. We often saw Eagles hunting on the neighboring plain; but none of them were shot by our party. The nest was bulky, filling a large cup-shaped cavity in front of a deep crevice in the face of the cliff. It measured 8½ x 5 feet, and was mostly built of rather small sticks with a good deal of yucca leaves. It was quite flat on top.

7905. Aquila chrysaëtos ♀ ad. Shot on nest at the 'Corner Monument, 100 miles west of El Paso, Texas, May 5, 1892. Length, 805.; alar expanse, 2225.; wing, 690; tail, 355; chord of cul-=men, 47,5; culmen + cere taken together, 60; cere, 17; tip of bill to centre of pupil, 79.; occiput, 129; base of cere to occiput, ~~72~~ 92; diameter of eye, 11; tibia, 202; tarsus, 110; middle toe, 79; claw, 42; inner toe, 52; claw, 54; outer toe, ~~74~~ 58; claw, 32; hallux, 35; claw 64 (toes measured on upper surface, to base of claws.) Weight, 12 lbs. Av. Height of Bill at base of cere, 31. mm. Young, two-thirds grown (weight 8 lbs., Avoirdupois) taken from nest alive. Its plumage was quite dark – almost black, – with the white down showing through copiously. Stomach of adult empty. Nest contained remains of numerous Jackass Hares and Cottontail Rabbits, upon one of which latter the young had just been fed. The old male was not seen. When the nest was discovered the parents were absent. About noon I visited it again, + found the female parent sitting on the edge of the nest, her head hanging down + apparently asleep. I shot her on the nest, where she remained without a flutter. The young Eagle, when first seen lay with its head on the ground, poked into the farthest corner of the ~~nest~~ space occupied by the nest. I threw a pebble at it, when it looked up at me over its shoulder. A few more pebbles caused it to rise and flap its wings & open its mouth. Afterwards it was heard screaming lustily for some time. It uttered a low trill + a common cry ~~not~~ suggestive of the voice of ~~the~~ young chickens. Both birds were fished off the cliff with a fishing line, with hooks; and the young one was carried home alive. On the way it bit my assistant through the lip.

Two nests of Aquila chrysaëtos were found in Dog Mtns; one on Emory Peak and one in a cañon to the S.E. The nest on Emory Peak was visited June 6th, when a nearly grown young one was sitting on ~~the nest~~ it screaming ~~lustily~~ loudly for food. The nest was built on a long, narrow ledge, or eroded cavity in the main, precipitous face of the mountain, where it was quite inaccessible. Schwartz, a trooper of the 2d Cavalry climbed up a seam in a shoulder of the cliff until he could see the bird, which had hidden in a corner of the ~~nest~~ shelf on which the nest was built, and shot it, hoping it would flap out of the nest and be captured; but it was killed in vain, much to our regret. The parents did not show themselves, tho' we stayed about their nest about two hours.

An immature Eagle was seen to fly to the other nest on June 13th. The second nest was even more inaccessible, being built in a deep hole in the side wall of a vast cañon. The parent had a tail that was still broadly ringed with white.

4029 a/3 Piranga hepatica. Nest June 26. 3 Eggs just ready to hatch. Measure 26 X 18; 25 [illegible] X 18 [illegible]; [illegible]. Bluish green, spotted with olive-brown & [illegible], chiefly about the great end. Nest [illegible] built of [illegible] plant stems lined with grass, measures 70 X 4[illegible] and 130 X 95 mm. Nest & fragments of egg-shells [illegible].

San José Mts., Sonora, Mex. Oct. 1, 1892. Noted the following forest-trees: Walnut, Cherry, White evergreen oak, Black Evergreen oak, Willow-leaved evergreen oak, White Deciduous Oaks (near summit), Aspen (north slope just below summit), Rough-barked Juniper, Piñon Pine, Pinus ponderosa, Pinus chihuahuana, Acacia.

Measurements of Deer + Antilope

Number	1988	1986	2020	2111
Date	July 15	July 15.	July 21.	Oct. 1
Sex + Age	♂ im	♀ ad.	♂ ad.	♂ ad.
Total length in straight line	1290	1410	1510	1410
Tail vertebrae	220	215	240	220
Tail to end of hairs	270.	300.	320	300
Ear, height above crown	178	180	190	180
" " " notch	150.	150	158	157
" width			130.	140
Distance between eyes	80.	110	110	100
Diameter of eye	25	27	25	27
Chest girth	620.	730.		770
From head of humerus to head of femur	—	—		710
Tip of nose to eye	135	150	150	150
" " centre of pupil	150	168	170	170
" " ear	204	230	230	230
" " tip of ear	390	437	443	445
" " occiput	245	270.	290.	285
Height at shoulder	740	820	800	860
" " hip	825	880	(about) 880.	870
Fore limb from coracoid	—	—	640	
" " " olecranon	510	505	550	520
" " manus	285	282	295	290
Hind limb from great trochanter	—	—	790.	
" " " knee-joint	580	650	630.	600
" " pes	380.	387.	415	395
Weight in pounds avoirdupois	estimated [illegible]	60 lb.	about 80 lb.	?
Height to end hinder extremity	1735.	1880	1970.	1850
Tip of nose to angle of mouth				90
No.	1988	1986	2020	2111
Name	Cariacus ~~mexicanus~~ couesi	Cariacus ~~mexicanus~~ couesi	Cariacus ~~mexicanus~~ couesi	Cariacus ~~mexicanus~~ couesi

	Cariacus macrotis	Cariacus macrotis	Antilope	Antilope	Antilope	Antilope	Cariacus leucurus mex.	Cariacus leucurus mex.	[illegible]	Cariacus virg. crookii	Antilope	Mule Deer
Number	1605	1606	1713	1778	1841 1892	1840 1892	1838 1892	1839 1892	1840	June 9 1873	1889	1893
Date	March 30	March 20	April 29	May 25	June 3	June 3	June 3	June 3		~~[illegible]~~	June 15	[illegible]
Sex + Age	♀ ad.	♀ ad.	♂ ad.	♂ ad.	♂ im.	♂ ad.	♀ ad.	♀ im.			♀ ad.	♂ im.
Total length	1510	1370	1333	1400	1375	1360	1430	1340.		1440	1350	[illegible]
Tail vertebrae	190	228	148	160	138	125	230	215		195	145	[illegible]
Tail to end of hairs	300	325	202	—	181	175	303	286		304	210	[illegible]
Ear above crown	212	220	163	183	172	177	175	190		220	167	[illegible]
Ear above notch	195	190	151	157	157	165	150	147		190	180	[illegible]
Ear width	150	140	100	100	100.	110	95	105	130	125	100	[illegible]
Distance between eyes	115	93	125	127	180	185	120	83	115	100	110	[illegible]
Diameter of eye	24	24	34.5	32	32	32	28	x	24		30	2170
Chest girth	820	720	890	890	820	925	710	620	860	790	860	[illegible]
Humerus to femur	675	650	425	595 ~~600~~	630.	660.	640	625		620	650	800
Tip of nose to eye	170	153	200	205	200	203	143	138		155	195	[illegible]
" centre of pupil	188	168	215	240	220	220	160	153		175	215	192
" ear	280	245	229	275	265	270	235	235		290	246	25[illegible]
" tip of ear	490	465	435	475	470	460	407	390		470	460	5[illegible]
" occiput	300	275	295	330	320	310.	260	245		295	295	12[illegible]
Height at shoulder	900	945	810	955	880	750.	800	730	880	650	890	2170
" hip	950	915 645	850	895	810	880.	825	810	970	—	630	630
Fore limb from coracoid	710	550	620	660	640	970	595	600	785	630	582	[illegible]
" olecranon	570	315	320	600	560	650	585	496	6[illegible]	540	335	32[illegible]
" manus	320	845	130	342	330	633	280	281	32[illegible]	300	630 ~~820~~	[illegible]
Hind limb from great trochanter	900	630	710	865	730	360.	770	760		~~[illegible]~~	820	[illegible]
" knee-joint	650		435	690	580	895	565	620	895.	620	630	920
" pes	450	430	120	370	400.	635	580.	370	660	400	405	730
Weight					67	~~[illegible]~~	(estimated) 50	(estimated) 50 lb.	~~440~~ 119	72	(as killed) 109	[illegible]
Number	1605	1606	1713	1778	1841	1840	1838	1839	1841 ?	1873	1889	1893

Species	Febr. 1 to March 14. At El Paso, Texas. Holzner trapped mostly in N. Mex. W. of the Rio Grande near Camp 1. I trapped about El Paso + between there + Camp 1.	March 15 to 20, 1892. En route from El Paso to Camp 2, near monument 5, Emory Survey (distance 49.6 miles) Lat. 31° 47' Long 30° 15' } Camp 2	March 20 to April 7, 1892. In Camp 2, at Emory 5½ monument 49.6 miles W. of El Paso. Lat. 31° 47' Long. 30° 15' (Wash.)	April 7 to April 15th. In camp 3 near Lake Palomas	April 15 to 22, 1892. At camp 4, near Carrizolillo Spring.	April 22 to May 15, 1892. At Camp 5 at Corner Monument 100 miles West of El Paso.	Cavalry Camp at Mesquite Springs, Mex. About 15 miles south of the Corner Monument	Camp on Big Hatchet Mountain	Dog Spring, Mexico	San Luis Mtns at Lang's Ranch	White Water, Mexico
Felis concolor — Gato Montés			One seen + tracks of a pair on deer trail near camp.	Tracks at Lake Palomas.		Tracks.			Tracks	One seen on the east side June 18.	
Lynx baileyi — Lince	Said to be very common	Tracks.	Two spec. Several other seen.	do	One seen. Stood its ground till fired at	Several seen or shot		Tracks.	Common	Common	
Canis latrans — Coyote	Abundant.	Common. One shot.	Common. Hunting jack-rabbits. Two poisoned	Abundant and bold. 3 shot or trapped by my tent	Abundant	Abundant	Very abundant. One kept alive. Several shot + trapped		Abundant	Abundant	Abundant
Vulpes macrotis — Zorrito	One trapped Common	Tracks.	Common. One buried Lepus ariz.	Tracks.	One wounded + one killed.	One specimen Common			One specimen Common	One seen on the east side June 18	
Urocyon virginianus scottii			One seen.	Tracks at Lake Palomas							
Procyon	Common along the Rio Grande										
Bassaris astuta	Said to be not uncommon				Tracks.			One specimen	One dead at Alamo Hueco	Tracks. Lieut. Irwin's men shot some in 1891	
Taxidea	A skin seen in town. Boy shot one. Not abundant	Burrows	Burrows.	Burrows	Signs	Burrows. Several killed at Doyle's ranch	Burrows	Burrows at base of Mt.	Small colonies; animals not seen. Several killed at the ranch. Others seen.	Burrows. Several dead ones seen.	Burrows. Several shot and trapped
Mephitis	Very common	Some species of Skunk was present	Tracks and burrows.	Common at Lake Palomas	Common.	Said to be common	Common	Tracks		Common	
Spilogale	Trapped	do	Two trapped. Common on rocky hills	do	Common.				Common		
Onychomys (large) pallescens			Common.		One trapped						
" (small) torridus torridus						Common	Common				
Vesperimus eremicus (arenarius + anthonyi)	Very abundant. Dry rocky places as well as river-bottom	One trapped in Mexico close to the Rio Grande	Only found in rocky buttes. None on level, sandy ground		Common	Common Two trapped near Doyle's	Common	Common	Common		
Vesperimus tornillo ~~sonoriensis texanus texanus~~	Abundant under screw beans in river bottom only	do	On level plain as well as rocky hills + buttes.				Common in grassy spots near water		Two trapped at the spring in grassy spot		
Vesperimus texanus texanus (with short, bicolored tail).					Common	Common					
Geomys castanops (large, dark colored.)	Two males shot + trapped. Probably quite common.	Mounds of Geomys or Thomomys, but none trapped	~~Abundant~~								
Geomys arenarius (smaller, pale colored)	Common near Camp 1	do	Abundant	Common.	Common.						
Thomomys umbrinus	Common near Camp 1 + at El Paso	do		Burrows. None positively identified	Signs of one species.	Common	Only in the foothills, near	Common on lower half of Mt.	Abundant	Common	Common
Dipodops ordii	Fairly common at El Paso + at Camp 1. Less so than D. amb.	Common. Trapped at three camps.	Abundant. Does not raise high mounds.	Lake Palomas	One trapped.						
Dipodops spectabilis	Mounds with burrows supposed to be this in Mexico opposite Ft. Bliss.	Mounds with burrows supposed to be this species	Quite common	Very abundant. Large mounds.	Very abundant mounds in numbers on sandy hillsides	Common	Common	Only at base	Very common in colonies		Abundant.
Dipodomys ~~merriami~~ ambiguus	Very abundant at El Paso + at Camp 1.			One trapped at our camp.	Common; lives in mounds	Common	Common	Only at base	Common		Common
Dipodomys ~~sp. nov.~~ merriami			One captured on the Line.								
Perognathus penicillatus	Two trapped in rocks bet. El Paso + Camp No. 1.					Two trapped					
Sigmodon	One trapped in New Mexico, near Camp No. 1.										
Neotoma intermedia angustirostris	Rather common in rocks.	Present but not abundant.	Those on obsidian rocks were dark; in other localities lighter	Abundant	Abundant	Abundant	Abundant	Pale colored Abundant	Abundant		Common
Mus musculus	One 2 miles from El Paso in trap. Common in town.										
Tamias interpres	Common in rocks about El Paso and across the Rio Gr. in Mexico										
Spermophilus spilosoma	Common about El Paso and Fort Bliss, etc.	A surveyor probably saw one ?	Common.	Lake Palomas	Common ~~A small~~	Common	Common		Common		Common
Cynomys	A small colony at site of new post of Fort Bliss					A small colony 10 miles west	Colony within 10 miles; also near Separ.		Large colonies of Playas Valley	Enormous colonies. Young seen.	Common on and near the Playas Valley. Common on open ground
Lepus ~~texianus~~ griseus (~~callotis type?~~)	} Rio Grande river-bottom Common	Very numerous. Many were shot.	Very abundant. Several ♀♀ with 1 foetus each	Very abundant In pairs.	Very abundant In pairs.	Common	Abundant	Only at base	Very abundant		Very common.
Lepus texianus "	} Everywhere rather abundant.			Common							
Lepus ~~arizonae~~ merriami (small species)	Common in most places. Several specimens	Common	Common	Common.	Size large Abundant	Common	Common	Found to the top; two taken	Common 30 shot	Common	Common.
Lepus ~~holzneri~~ rigidus, flatter head (Part.)		Common	Common					Found near the base	Common	Common	Very abundant
Antilocapra americana		Several seen, Signs (tracks) abundant in places	One or two herds. Seven ♀♀ brought to camp; 2 had each 1 yg.	Waters at Lake Palomas	Common.	Common	Common		Several killed.		
Cariacus macrotis		Signs abundant towards Camp 2.		do	One doe killed	Common	Several killed near in the mountain	Herd of six near the base			
Free-tailed Bat (Nyctinomus)	One on Rio Grande River at Camp no. 1.										
Little Brown Bat (Pipistrellus hesperus)	Very abundant. Many preserved in alcohol, + dry.										
Bats (species not identified)	One very large one.			Lake Palomas	Common	Common Several trapped.	Common	2 species taken Common	Common	Abundant	Common.
Ochetodon? or ~~Vesperimus anthonyi~~ Reithrodontomys megalotis			One caught on a hill near camp.								
Ursus americanus					One said to have been shot at by a surveyor.					Tracks and signs ~~Common~~	Tracks

[Continued on page 70]

Geomys [?] = Tusa
Dipodomys spectabilis [?] =
Dipodops ordii [?] =
Onychomys = Raton
[illegible] = Raton
Lepus texianus [?] = Liebre
Lepus arizonae [?] = Conejo
Spermophilus spilosoma [?] = Tusa or Uron (officer)
Taxidea [?] = Tejon
Mephitis [?] = Zorrilla
Spilogale =
Cistudo [?] = Tortuga palustre
Corvus sp. = Cuervo = Cacalote
Spizella breweri [?] = Monjita
Falco sparverius [?] = Gavilan = Cernicalo
Aquila chrysaetos (Golden Eagle) = Aguila Real
Speotyto hypogaea [?] = Lechuza (general name for Owls)
Bubo virg. subarctica [?] = Tecolote = Buho, Spanish
[illegible] =
[illegible] = Avispero
[illegible] = "
Cathartes aura = Zopilote comun
[illegible] = Aguilillo = Aura
Sarcorhamphus (King Vulture) = Zopilote Rey
[illegible] =
[illegible] = serpiente de Cascabel
Scorpion = Alacran
Centipede = Cientepies
Tarantula = Tarantula
Big Horn = Cimarron or Simarron (cima or sima have slightly different meanings. fide Capt. Martinez).

Ursus americanus [continued on page 40]

Number	1892 April	Name	Locality	Sex & Age	Length	Alar expanse	Wing	Tail	Culmen	Tarsus	Middle toe & Claw	Head of tibia to end of claws	Tibia	Bare portion of tibia	Tip of bill to end of longest claw
7765	12	Ammodramus s. alaudinus	Lake Palomas, Mexico	♂ ad.	tail gone	232	73	gone	11.2	21	20				
7766	12	Junco caniceps	do	♀ ad.	158	243	80	74	11.5	19.5	20.5				
7767	12	Tringa pusilla	do	♂ ad.	154	285	91	42	18.5	19.5	21.5				
7768	12	" "	do	♂ ad.	149	287	89	42	16.	19.5	21.				
7769	12	Anas cyanoptera	do	♂ ad.	425	655	193	86	44	34	47				
7770	12	Anas carolinensis	do	♂ ad.	388	610	187	80	40	32	41				
7771	12	" "	do	♂ ad.	373	620	187	79	37	33	44				
7772	12	Fulica americana	do	♀ ad.	375	665	192	63		56	83				
7775	13	Anas strepera	do	♀ ad.	500	865	268	97	44	42	57				
7776	13	Erismatura rubida	do	♂ ad.	405	600	152	90	39	34	69				
7777	13	" "	do	♀ ad.	390	565	145	90	42	33	64				
7778	13	Tringa minutilla	do	♀	148	284	88	42	17	19.	20.				
7779	13	" "	do	♂ ad.	151	285	88	42	17	18.5	20				
7780	13	" "	do	♂ ad.	148	282	89	40	18	19.	20				
7781	13	" "	do	♂ ad.	150	290	92	42	16.	19.5	20.5				
7782	13	" "	do	♂ ad.	149 159	282	89	40	18	19	20				
7783	13	" "	do	♀	159	307	95	43	19	21	22				
7784	13	Gallinago delicata	do	♂ ad.	272	440	138	65	63	32	36				
7785	13	Ægialitis vocifera	do	♂ ad.	250	508	66	98	19	37	28				
7786	13	Ammodramus s. alaudinus	do	♂ ad.	143	232	72	58	11	19	20				
7787	14	Himantopus mexicanus	do	♂ ad.	377	725	232.	80	64	116	44	289	130	82	573
7788	14	Totanus flavipes	do	♂ ad	272	502	154	70	33	51	34				
7789	14	Amphispiza bilineata	do	♂ ad	152	224	72	73	11	19 18	17 11.5				
7790	15	Polioptila plumbea	Boca Grande Mts., Mex	♂ ad.	119	162	52	55	11.5	18 ~~11.5~~	~~18~~ 11.5				
7799	16	Myiarchus cinerascens	do	♂ ad.	220	330	103	101	19	23	20				
7800	16	Spizella s. arizonae	Camp No. 4, near Carrizalillo Spring, New Mexico	♂ ad.	150	228	73	70	10.5	17	17.5				
7801	16	Spizella breweri	do	♂ ad.	139	~~239~~ 236	64	64	9.	17.5	18.				
7802	16	Regulus calendula	do	♀	110	174	60	46	9.5	17	13	Crown plain.			
7803	16	Callipepla squamata	do	♂ ad.	275	400	123	93	12.3	34	35				
7804	16	" "	do	♂ ad.	286	410	127	96	13.5	35.5	35				
7805	16	" "	do	♀ ad.	278	398	120	93	12.7	34	34				
7806	16	" "	do	♂ ad.	270	400	123	96	13.	33	34				
7807	16	" "	do	♀ ad.	277	404	125	95	12.5	33	33.5				
7808	16	" "	do	♀ ad.	255	392	120	80	12.2	32.5	33.5				
7809	16	" "	do	♀ ad.	263	387	117	92	12.4	33.5	35				
7810	17	" "	do	♂ ad.	275	390	120	93	12.7	34	34				
7811	17	Spizella breweri	do	♂ ad.	138	200.	64	63	9	19	18				
7812	18	Amphispiza bilineata	do	♀ ad	142	212	67	61	10.5	19.5	18				
7813	18	Spizella breweri	do	? ad.	139	198	65	67	9.	17.5	16				
7814	18	~~Amphispiza bilineata~~ ~~brunneicapillus~~	do.	♂ ad.	145	224	72	65	12.	21.	17				
7815	18	Campylorhynchus brunneicapillus	do	♂ ad.	209	292	90	85	22.5	30	24				
7816	18	Icterus parisorum	do	♂ ad.	219	335	109	96	21.	25.5	25				
7817	18	" "	do	♂ ad.	210	317	103	87	23	24.5	24	(Meas. continued on p. 50.)			

Ursus americanus [continued on page 70]

Name.	February 1 to March 14th	March 15 to 20	March 20 to April 7	April 7 to 15	April 15 to 22, 1892	April 22 to May 15
	At El Paso, Texas. Holzner in camp No. 1, on the Rio Grande a part of the time	En route to camp 2, near Emory's 5th monument, 49.6 miles from El Paso, measured on the line. Lat. 31° 47' Long. 30° 15' W. of Wash.	At Camp No. 2, at Emory's 5th monument. Lat. 31° 47' Long. 30° 15' (49.6 m. W. of El Paso)	At Camp No. 3, near Lake Palomas, Mexico	At camp 4, near Carrizollito Springs, New Mexico.	Camp 5, at Corner monument 100 miles west of El Paso. May 15 left.
Podilymbus podiceps				Several seen.		
Larus delawarensis				There were about six on the lakes; but none were shot.		
Lophodytes cucullatus				Several flocks on the Lakes. Several shot.		
Anas boschas	Several flocks on the Rio Grande.			Common on the Lakes.		One shot, flying over.
Anas strepera	Several on the Rio Grande.			Very common and gentle. A number were shot on the Lakes.	A pair on the lake or spring, in company with a Anas cyanoptera	
Anas americana				Scarce on the Lakes		
Anas carolinensis	One flock on the Rio Grande			Very abundant. Thousands on the Lakes; many shot		
Anas discors				A few males, in flocks. One or two ♀♀ shot.	One ♀ on the lake or spring.	
Anas cyanoptera				Thousands on the Lakes; very gentle; many shot.		
Spatula clypeata				Very abundant on the Lakes; many shot.		
Dafila acuta				Rather scarce on the Lakes		
Aythya vallisneria				One pair and a flock of males on the Lakes.		
Aythya affinis				Very abundant. Several were shot by our party.		
Charitonetta albeola				Abundant on the Lakes. One or two shot.		
Erismatura rubida				Extremely common and gentle; many shot on Lakes.		
Chen hyperborea				One flock of thirty. Left the lake Apr. 9. A straggler shot April 10 (next day) & another flock seen April 14th.		
Plegadis guarauna				Several seen; one shot.		
Botaurus lentiginosus				One shot; heard at night.		
Ardea herodias	Several seen on the Rio Grande; one shot at Camp 1.			Common; small flocks.		
Nycticorax nycticorax naevius	Heard at night at Camp 1.			One pair seen Apr. 8.		
Fulica americana			One found on a mountain about April 1. No water near.	Abundant in flocks.		
Recurvirostra americana				Several small flocks on the Lakes Apr. 7 to 15. One shot at night; flocks calling		
Himantopus mexicanus				Several flocks Apr. 7 to 15. Last seen (one shot) April 13.		
Gallinago delicata				Several seen; 2 shot.		
Macrorhamphus scolopaceus				Flocks April 7 + 9.		
Micropalama himantopus				Four killed at one shot with 4 of Macrorhamphus Apr. 7.		
Tringa minutilla				Flocks of a hundred or more April 8 to 15.		
Totanus melanoleucus	Flocks on the Rio Grande Febr. 29 to March 14th.			Abundant in flocks of 5 to 20 April 7 to 15. Flew high with ducks, etc.		
Totanus flavipes.				Scarce; one shot Apr. 8-15		
Symphemia semipalmata inornata				Five April 7.		
Numenius longirostris			Many large flocks seen on the plain. One shot.	Has been abundant on the plain. Last seen (one) April 14. Several seen at the Lake.		
Numenius				One shot April 8.		
Aegialitis vocifera.	Common Febr 4 to March 15th on Rio Grande	One or two seen at different points; rare.	Heard at night on March 26th.	Abundant; about to breed. Sometimes flocks of 25.	At the spring calling about camp at night.	One seen + shot April 23.
Callipepla squamata	Capt Finley shot some near Sierra Blanca. Only seen in the market.	Feathers only, in Cactus Wren nests	Several flocks. Feathers in most Cactus Wren's nests.	One flock, near the Lake.	Abundant in flocks of 3 to 50. Many shot. Crops filled with vegetation + ants.	Nest just finished May 13th. Not abundant. No water near.
Cyrtonyx montezumae			Three on Eagle Crag; all shot. A dry egg, possibly of this sp.	One male seen near camp.		
Cathartes aura	Several seen.	A few seen.	Common. Roost on rocky buttes which whiten with excrement	Feeding in numbers on dead cows that have mired in the edge of the Lake.	Common; flocks of about ten.	Common.
Circus hudsonius	Common; many blue.	Abundant.	Very common.	Catching wounded ducks about the Lakes. Very common		
Accipiter velox	Several seen.	One or two seen.	Several seen.	One seen at the Lakes.		
Accipiter cooperi	Several seen.		Several seen	Not common. Breeding on cliffs. Several near the Lakes	One seen to catch a Scaled Quail	Several pairs.
Buteo borealis calurus	Several seen.	Common.	on ledge of cliff March 29, 1892. Set of 2 eggs on Camel Mt. A common species	A number at the Lakes	Common.	One seized a Long-eared Owl that I had just shot; 5 shot it. Several pairs seen daily.
Buteo swainsoni			Several seen. Set of three (see page 24) fresh eggs taken March 24		Several seen	One seen April 22.
Aquila chrysaëtos		Two seen.	One shot. Female wounded March 29. as she flew from cliff where she doubtless would have nested		A pair had a nest on cliff. Both birds were shot at by members of our party + an attempt made to trap them on nest but they escaped. The single young one was taken + preserved.	Female & young killed on nest. Male frequently seen.
Falco mexicanus						
Falco peregrinus anatum				Several feeding on Ducks at the Lakes. Seen capturing ducks on the wing.		

Ursus [illegible] [Continued on page [illegible]]

Name of Species.	(February 1 to March 14.) At El Paso, Texas. Holzner was at camp No. 1, on the Rio Grande, opposite the initial monument a part of the time.	(March 15 to 20.) En route to Camp No. 2, at Emory's 5th monument, a distance of 49.6 miles on the Boundary Line.	(March 20 to April 7.) At Camp No. 2, at Emory's 5th monument, 49.6 m. W. El Paso. Lat. 31° 47', Long 80° 15'.	(April 7 to 15.) At Camp No. 3, near Lake Palomas, Mex.	(April 15 to 22.) At Camp No. 4, near Carrizalillo Spring, N. Mex.	April 22 to May 15. Camp No. 5, at the Corner, 100 miles west of El Paso, Texas (centre of Rio Grande)
Falco columbarius			One seen April 1st.			
Falco sparverius deserticolus.	Several seen; not common.	Several seen.	Several pairs seen. One ♂ shot.	Several seen.	One to two pairs seen.	Several seen; not common.
Falco fusco-caerulescens.				One ♂ shot at camp. Others seen at the Lakes.	Several seen, or one several times.	
Megascops sp.?	Heard at night.					
Bubo virginianus subarcticus	Heard at night.	Heard at night. One seen.	One trapped at carcass of Lepus arizonae. Heard at night.	Feathers.	One seen; heard; feathers in nest	Several seen.
Speotyto cunicularia hypogaea		One shot in the Rio Grande Valley. Common on the mesa.	(One uttered a loud call like Cooper's Hawk and probably had a nest in burrow.) Several shot; common. One lit on a soapweed bush.	Bow in a jerky manner. Abundant.		A few seen; scarce.
Geococcyx californianus	Tracks; feathers.	Tracks; feathers.	Feathers in nests of Cactus Wrens. Tracks; a few seen.	Several seen.	Feathers in nests of Cactus Wrens. Col. Barlow saw one.	Egg taken May 12.
Ceryle alcyon				One at Mr. Bailey's fish-pond, near the Lakes.		
Dryobates scalaris bairdi	Often away from trees, on bushes. Common	One seen near 4th monument.			One ♂ shot April 19.	One seen May 2.
Sphyrapicus thyroideus				One female shot in desert, on soapweed stalk, Mimbres Valley April 7th. Another seen at Camp 3 April 7)		Last seen April 27.
Colaptes cafer	Occasionally seen.		Several seen.	One seen	One seen.	One or two in cedars.
Phalaenoptilus nuttalli	Not heard. One shot Febr. 29, 1892.					Heard nightly. One April 22
Myiarchus cinerascens			One ♂ shot April 1 – first seen.	Several.	Several.	Very common.
Sayornis saya	One seen Febr. 4 at El Paso. Common at Camp No. 1 in March.	Several.	Common; migrating	Several.	Several pairs.	One pair breeding at the mines; nest in shaft, not visited.
Otocoris alpestris adusta?	Abundant in large flocks. Many seen from train in W. Tex. last of January.			Mostly in pairs; only seen in the Mimbres Valley, near the Lakes	Several pairs on the plains	Not uncommon. Several pairs seen en route Apr. 22. Not seen at camp.
Aphelocoma woodhousei	One shot at Ysletta by S. Barlow Febr. 20.					Nest in bush near 'Depot'
Corvus cryptoleucus	Abundant; tame about the city, feeding on garbage	Common; bold.	Came boldly into camp. Perches on soapweed stalks.	Several would perch on one soapweed stalk in a cluster.	Common as everywhere.	Common about camp.
Corvus corax sinuatus			Several seen; nests on "Eagle Cliff". Identification not positive.	Some of the Ravens may have been this.		
Molothrus ater obscurus					First seen April 15. One male with some cows under cedar-tree.	Next seen April 25 and common thereafter.
Agelaius phoeniceus	Abundant in flocks.	Several single birds and a flock at the Mexican's Camp	One came to camp in sandstone	A few; mostly females	Several females at the Spring	Several in camp throughout
Sturnella neglecta	Common.	Several seen	Not abundant	A few about the Lakes; Not common	One pair seen.	Several pairs, doubtless breeding
Icterus parisorum					First seen April 16 – males.	Common; singing; doubtless breeding; some seen building May 12.
Scolecophagus cyanocephalus	A flock near R.R. Depot		One ♂ in camp March 22 to April 7.		Small flock (♀♀) at the ranch.	Common throughout.
Xanthocephalus xanthocephalus				Common at the Lakes and camp – all males.	A few with the animals in camp	Common throughout
Carpodacus mexicanus frontalis	Abundant about town, etc.	Several; flock at Mexican Camp	One seen.	At town of Palomas, Mex.		Flocks about cedars. Nest in old cabin
Poocaetes gramineus confinis			First seen March 31, after which quite common.	About the lakes a few.		Scarce; last seen May 14.
Ammodramus sandwichensis alaudinus				Common in marshes about the Lakes. Two shot.	Two seen en route Apr. 15.	
Ammodramus savannarum perpallidus						One seen April 29.
Zonotrichia intermedia	The most abundant species. Under mesquites, etc. + in town	Common. Several shot Febr. 14 from a flock on bank of Rio Grande, near Juarez.	Scarce. Last seen May 20			
Spizella socialis arizonae			A few seen.		Common in flocks of 10-20.	Common; last seen May 14
Spizella breweri	Common	Common	Common	Common	Common; singing	Common. Last seen Apr. 30
Junco hyemalis shufeldti	Rather common.	Several; perhaps the next	Several seen March 20 to 31. Perhaps they were annectens			
Junco annectens	Several near Camp One. One at Ft. Bliss, Texas, February 6.	Several; perhaps shufeldti	do.			
Junco caniceps			Fairly common.	Several seen or shot. One ran, unwounded into a Dipodomys hole and hid.	Several seen; one ♀ shot that was near J. ridgwayi	Common throughout on cedar-clad mountains
Amphispiza bilineata	First seen (1 shot) Febr. 16. Common thereafter. Singing.	Several seen	Very common.	In flocks; mating; singing	Very common; mating	
Amphispiza belli nevadensis	Quite common.	The only very abundant bird	Very common			
Peucaea ruficeps boucardi					First seen April 15. Common thereafter in scrub oak canons; singing	Scarce. Seen till May 13.
Melospiza fasciata fallax or montana	One or two on the Rio Grande					
Pipilo maculatus megalonyx			First seen March 29 – one ♂. Afterwards common on buttes	One shot near the Lake	Several seen.	Scarce; last seen May 11
Pipilo chlorurus	First seen on Mt. Franklin Febr. 6		do.		Common	Common. " " May 7.
Pipilo fuscus mesoleucus		Several in rocky places.	Not rare in scrub, on rocky buttes	Rocky, scrub-covered buttes near camp.	Common.	Abundant; breeding.
Cardinalis cardinalis	Common at Juarez, Mex. + Ysletta, Tex. One shot at Ysletta, on the Rio Grande, Texas Febr. 20, 1892					
Pyrrhuloxia sinuata.						

	February 1 to March 14	March 15 to 20	March 20 to April 7	April 7 to 15	April 15 to 22	April 22 to
	At El Paso, Texas. Holzner was at Camp No. 1, on the Texas side of the Rio Grande opposite the initial monument after Feb. 13 (Altitude Mon. No. 1. 1135 m)	Enroute to Camp No. 2, at Emory 5th monument, 49.6 m. west of El Paso, measured on the Boundary Line. Alt. desert about 1245 m.	Camp No. 2, at Emory's 5th monument, 49.6 m. W. of El Paso Lat. 31° 47' Long. 30° 16' (Alt. 1282 m.)	Camp No. 3, near Lake Palomas, Mex. (Columbus 1217 m.)	At Camp No. 4, near Carrizollilo Spring, N. M. (Mon't 9 about 1381 m.)	At Camp No. 5, at the corner monument, 100 m. west of the middle of the Rio Grande River at El Paso (altitude 1496 m.)
Calamospiza melanocorys	Common.	One flock at Mexican's Camp.	Occasionally a few and a large flock, some nearly black, April 5.	One seen at Lake Palomas April 10.		
Chelidon erythrogaster				First seen at Lake Palomas April 7, 1892. Common later		One May 10.
Tachycineta thalassina				First seen April 8 (one) at Lake. Several seen April 9 to 15	Common	Common till May 11.
Stelgidopteryx serripennis				~~First seen April 8 Several seen April 9 to 15~~	Common at the Spring	
Ampelis cedrorum	Several feeding on misseltoe berries at Ft Bliss; seen on both sides of Rio Grande, February 29, 1892.					
Lanius ludovicianus excubitorides	Abundant	Abundant	Nests nearly finished April 5. One captured Dipodops ordii. Common; singing	Several.	Common	Nests May 1, 4, 6 + 9 eggs. Common.
Dendroica auduboni					Several in cottonwoods at the spring April 15. The first seen.	Common throughout
Anthus pensilvanicus				Very common about the Lake. Sometimes in flocks. Molting		
Oroscoptes montanus	Rather common.	Several seen	A few seen.		Nest with two nearly feathered young. April 17. Common	2 sets of 2 each taken by Stephen Barlow Apr. 22
Harporhynchus crissalis	Present throughout, but not common.	Occasionally seen or heard.	Nest with 2 eggs March 26; 2 eggs 30th; 2 yg. several days old Ap. 1.			Not common; 2 Set of 3 eggs each Apr. 22
Campylorhynchus brunneicapillus	Rather common. Several shot.		Common. First eggs March 30 ~~April 7~~ when many nests were about finished	Several seen.	Abundant. Several sets of eggs taken — 4 the largest number, fresh.	Abundant.
Salpinctes obsoletus	Very common; migrating. Many caught in cyclone traps.	Several near Camel Mt. Apr. 20	Several seen.		Common; building nest.	Abundant throughout.
Thryothorus bewicki bairdi	Specimen shot February 6, by Stephen Barlow.					
Cistothorus palustris paludicola				One shot at the Lake April 8. Not abundant. A few were heard singing.		
Auriparus flaviceps	Specimen taken February 12. Nests common. Several birds seen.	Old nests seen	Old nests seen	Old nests seen	Old nests seen.	Common. Nest 3 eggs April 30; + 4 eggs in nest May 8.
Regulus calendula		First seen March 19, near Emory's 4th monument. One shot.	Occasionally seen	Several seen	One with red crown may have been a ♀; but sex was not positively determined. Abundant; mostly females.	Several April 22 Last seen May 2.
Polioptila caerulea?					First seen April 15. Rather common in cedar-clad hills on the line. One spec. taken.	One in low bushes on plain Apr. 22. Scarce throughout the period
Turdus aonalaschkae		Mexican boundary line, 15 miles west of El Paso, Texas, March 16, 1892. One specimen seen + taken.	One shot near Camp 2, at 5th mon't			♀ shot May 5.
Sialia mexicana	Common in cottonwoods; feeding on misseltoe berries.					
Micropus melanoleucus					First seen April 17. Several seen April 18th + 19th; quite common April 20 to 22.	
Trochilus alexandri					First seen April 18; two or three seen on the 19; abundant about cactus blossoms April 20th. All males	Abundant. Nest with two eggs May 14.
Asio wilsonianus		Two seen near the Camel Mt. April 20. The first seen.	Frequently seen in this camp, + often heard at night.			One shot near this camp on April 22. Sitting in bush; teased by Amphispizae + other birds.
Empidonax wrightii						First seen Apr. 22. One shot in the act of capturing a butterfly.
Harporhynchus ~~c. palmeri~~ bendirei				One pair seen on a sandy desert, amongst tall yuccas + low mesquites	One shot April 21.	
Tyrannus verticalis						First seen April 28. One shot. Common May 1st + after.
Tyrannus vociferans						First seen May 7. Common thereafter in cedars.

No. 38 Name	Mesquite Springs, near the Middle Monument Meridian 7h 12m 49.819s.	Big Hatchet Mt., N. Mex.	Dog Spring, N. Mex	White Water	E. Side of San Luis Mtns.	San Luis Spring and W. side of San Luis Mtns. 39
1. Podilymbus podiceps.						
2. Larus delawarensis						
3. Lophodytes cucullatus						
4. Anas boschas.						
5. Anas strepera.						
6. Anas americana						
7. Anas carolinensis						
8. Anas discors.						
9. Anas cyanoptera						
10. Spatula clypeata.						
11. Dafila acuta						
12. Aythya vallisneria						
13. Aythya affinis						
14. Charitonetta albeola						
15 Erismatura rubida						
16 Chen hyperborea						
17. Plegadis guarauna						
18 Botaurus lentiginosus						
19. Ardea herodias						
20. Nycticorax nycticorax naevius.						
21 Fulica americana						
22. Recurvirostra americana						
23. Himantopus mexicanus						
24. Gallinago delicata						
25 Macrorhamphus scolopaceus?						
26. Micropalama himantopus						
27. Tringa minutilla						
28. Totanus melanoleucus						
29. Totanus flavipes						
30. Symphemia semipalmata inornata						
31. Numenius longirostris						
32. Numenius borealis						
33. Ægialitis vocifera				One pair.	San Francisco Water; several	Common.
34. Callipepla squamata	Abundant.	Only at base.	Abundant; nest 1 egg June 11.	Nesting; mostly paired	One killed with a stone.	
35. Cyrtonyx montezumae					In small flocks	
36. Cathartes aura	Very common; feeding on mired cows.	Seen from base to summit.	Abundant.	Common	Found viscera of deer in thick woods. Common.	Abundant.
37. Circus hudsonius.					One shot	
38. Accipiter velox				One seen.	Several seen	
39. Accipiter cooperi					Watching a spring for birds drinking. Several seen; one shot	
40 Buteo borealis calurus	Common	Common	Common; breeding	Common; young leaving nests	Feeding on snakes. Common. Carries snakes	Common.
41. Buteo swainsoni	Common	Only around base	Common; breeding	Black one seen June 29. Common; breeding		
42. Aquila chrysaëtos	Several seen	Several seen.	Several pairs; breeding	Several seen.	Several seen.	
43. Falco mexicanus			Breeding; several pairs			
44. Falco peregrinus anatum.						

No.	40 Name.	Mesquite Springs, near the Middle Monument. (meridian 7h 12m 49.819s)	Big Hatchet Mountain	Dog Spring, N. Mex.	White Water	E. side of San Luis Mountains	San Luis Spring and West side of San Luis Mountains 41
45.	Falco columbarius						
46	Falco sparverius deserticolus						
47.	Falco fusco-caerulescens						
48	Megascops sp.?						
49	Bubo virginianus subarcticus						
50	Speotyto cunicularia hypogaea						
51	Geococcyx californianus						
52	Ceryle alcyon						
53	Dryobates scalaris bairdi						
54	Sphyrapicus thyroideus						
55	Colaptes cafer.						
56	Phalaenoptilus nuttalli						
57	Myiarchus cinerascens						
58	Sayornis saya						
59	Otocoris alpestris adusta?						
60	Aphelocoma woodhousii						
61	Corvus cryptoleucus						
62	Corvus corax sinuatus						
63	Molothrus ater obscurus						
64	Agelaius phoeniceus						
65	Sturnella neglecta						
66	Icterus parisorum						
67	Scolecophagus cyanocephalus						
68	Xanthocephalus xanthocephalus						
69	Carpodacus mexicanus frontalis						
70	Poocaetes gramineus confinis						
71	Ammodramus sandwichensis alaudinus						
72.	Ammodramus savannarum perpallidus						
73	Zonotrichia intermedia						
74	Spizella socialis arizonae						
75	Spizella breweri						
76	Junco hyemalis shufeldti						
77	Junco annectens						
78	Junco caniceps						
79	Amphispiza bilineata						
80	Amphispiza belli nevadensis						
81	Peucaea ruficeps boucardi						
82	Melospiza fasciata montana						
83	Pipilo maculatus megalonyx						
84	Pipilo chlorurus						
85	Pipilo fuscus mesoleucus						
86	Cardinalis cardinalis						
87	Pyrrhuloxia sinuata						

	No	Name.	Mesquite Springs, near the Middle Monument, Mex (meridian 7h 12m 49.819s.)	Big Hatchet Mts., N. Mex	Dog Spring, N. Mex	White Water	E. Side of San Luis Mountains.	San Luis Spring and West side of the San Luis Mountains.
4	88	Calamospiza melanocorys						
4	89	Chelidon erythrogaster	Common.					
4	90	Tachycineta thalassina						
4	91	Stelgidopteryx serripennis						
4	92	Ampelis cedrorum						
5	93	Lanius ludovicianus excubitorides	Common.					
5	94	Dendroica auduboni	Common	Common; mostly ♀♀.				
5	95	Anthus pensilvanicus	Holzner thought he saw a flock					
5	96	Oroscoptes montanus						
5	97	Harporhynchus crissalis	Several seen.					
5	98	Campylorhynchus brunneicapillus	Abundant.					
5	99	Salpinctes obsoletus		Several pairs seen.				
5	100	Thryothorus bewicki bairdi		Common; one specimen taken				
5	101	Cistothorus palustris paludicola						
5	102	Auriparus flaviceps						
6	103	Regulus calendula						
6	104	Polioptila caerulea		Several pairs seen; one on the highest summit.				
6	105	Turdus aonalaschkae						
6	106	Sialia mexicana						
6	107	Micropus melanoleucus		Very common; breeding; found on the summit.				
6	108	Trochilus alexandri	Common.	Several seen.				
66	109	Asio wilsonianus						
6	110	Empidonax wrightii	Common.					
6	111	Harporhynchus ~~palmeri~~ bendirei						
6	112	Tyrannus verticalis	Common.					
7	113	Tyrannus vociferans		Found to the summit.				
7	114	Trochilus platycercus		Abundant.				
7	115	Contopus borealis		Found at the summit.				
7c	116	Callarpes mexicanus consperсus		Common; found from near the base to the summit.	Several males May 24 Females May 27.			
74	117	Guiraca caerulea eurhyncha			Several taken May 24			
75	118	Vireo gilvus swainsonii						
76	119	Tringa maculata (Palomas, Mex.)						
77	120	Callipepla gambeli						
78	121	Meleagris gallopavo mexicana						
79	122	Columba fasciata						
80	123	Zenaidura macroura						
81	124	Melopelia leucoptera						
82	125	Urubitinga anthracina						
83	126	Strix pratincola						
84	127	Asio accipitrinus						
85	128	Glaucidium gnoma						
86	129	Trogon ambiguus						
[illegible]	130	Ceryle cabanisi						

No.	Name	Mesquite Springs, Mex.; near the Middle Monument (meridian 7h, 12m 49.819s) an alkalai flat; mesquites up to mountains all around it.	Big Hatchet Mountain, New Mexico.	Dog Spring, New Mexico	White Water, Mex.	E. side of San Luis Mountains (both sides of the boundary line.)	San Luis Springs and West side of the San Luis Mountains
131	Dryobates arizonae				One pair on stalks of Mescal (aloe	Common; young abroad with their parents.	Common.
132	Melanerpes formicivorus aculeatus			First seen near Dog Spring May 22; also at Alamo Viejo.		Abundant	abundant
133	Melanerpes uropygialis						
134	Antrostomus vociferus arizonae		Specimen (No. 7985) taken by Holzner at camp May 21, 1892.			Specimen shot at night of June 25, in a cañon halfway up the mountain.	Specimen taken high up on July 5, 1892
135	Chordeiles virginianus henryi					Specimen (No. 8107) taken.	Nests (2) with 2 eggs each at the Spring.
136	Chordeiles texensis	Very abundant		Very abundant	Extremely abundant	Abundant, if not C. v. henryi.	
137	Eugenes fulgens					Common in a cañon half way up the mountains; three specimens taken.	
138	Myiodynastes luteiventris						
139	Myiarchus mexicanus magister						
140	Myiarchus lawrencei olivascens						
141	Sayornis nigricans						
142	Contopus richardsonii		Abundant	Common in Dog Mtns		Breeding plentifully on dead trees or limbs; several sets of eggs taken	Breeding commonly.
143	Empidonax hammondi						
144	Pyrocephalus rubineus mexicanus						One taken (No. 8156) July 5.
145	Cyanocitta stelleri macrolopha						
146	Aphelocoma sieberii arizonae					Abundant	Very abundant.
147	Sturnella magna mexicana				Specimen (No. 8120 ♂) July 29.		
148	Icterus cucullatus nelsoni						
149	Spinus psaltria arizonae					Abundant, in small flocks in cañon half-way up.	
150	Chondestes grammacus strigatus	Several seen.	Several.	Several seen.	Near foothills; common	Common at lower timber line	Common at lower tree limit
151	Zonotrichia leucophrys		Not common.				
152	Junco cinereus palliatus		Several shot				
153	Junco cinereus dorsalis		Several shot				
154	Junco ridgwayi		One (doubtfully identified) specimen taken				
155	Pipilo aberti						
156	Habia melanocephala			First seen May 22		Abundant	Abundant
157	Piranga ludoviciana			Several seen.			
158	Piranga hepatica		Several pairs; old nests.	Several seen.		Common; nests & eggs.	Abundant.
159	Piranga rubra cooperi						
160	Petrochelidon lunifrons		Several seen	Breeding on cliffs of Dog Mountains			
161	Vireo solitarius plumbeus						
162	Vireo gilvus swainsoni			Migrating; abundant			
163	Vireo						
164	Helminthophila celata						
165	Dendroica aestiva subsp. nov.						
166	Dendroica nigrescens						
167	Seiurus aurocapillus	Specimen (No. 7961) taken May 16					
168	Geothlypis macgillivrayi	Common. Spec. May 11.					
169	Icteria virens longicauda						
170	Sylvania p. pileolata		Several seen; spec. taken.			Pair singing at tank in cañon May 21.	First seen June 1.
171	Setophaga picta						Two shot July 5
172	Cardellina rubrifrons						Nest June 1. See p. 104 Nest No. 4018.
173	Mimus polyglottus	Common.	Breeding commonly	Breeding commonly.	Fairly common.	Abundant in the ever-green oak zone	Abundant in the oak zone.

No.	Name.	Mesquite Springs, Mex near the Middle Monument (1273 metres at mon't)	Big Hatchet Mountains New Mexico (2384 metres.) 20 " curv. + refr. 2404 " total.	Dog Spring, New. Mex (1474 metres.)	White Water, Mex. (1528 metres.)	E. side of San Luis Mountains (both sides of the line).	San Luis Springs and West side of the San Luis Mountains
174	Harporhynchus longirostris sennetti;						
175	Troglodytes aëdon aztecus		Several seen near summit.				
176	Certhia familiaris ?						A family in main cañon, high up in mixed spruce (Douglass's) and Arizona Cypress-trees.
177	Parus wollweberi		In pinon pines halfway up.	In Dog Mountains; oaks of Dog mountains.		Common in oaks at lower timber line as well as high up in cañons. Young	Very abundant; Young flying.
178	Psaltriparus		Specimens collected by Holzner near the summit	Common in oaks in cañons		do	Abundant; nest June 2. See page 103, nest No. 4015.
179	Turdus ustulatus?						
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[Continued on page 110.]

[These are all entered at p. 14 et seq. down to 7661.]

No.	Name	Sex and Age	1892 Febr.								Locality	Remarks
7572	Otocoris alpestris	♀ad. 168	4 308	96	69	10	21	17	♀ad.	4	El Paso, Texas	See pp. 6 & 14
7573	Campylorhynchus brunneicapillus	♂ad.	4	212	288	91	85	24.5	27	23	do	"
7574	Lanius ludovicianus excubitorides	♂ad.	4	223	320	101	105	15.5	28	21	do	"
7575	Zonotrichia intermedia	♀ad.	4	168	244	78	78	11.	22	22	do	"
7576	" "	♂	4	162	236	76	72	11.	22.5	21	do	"
7577	" "	♂	4	172	257	80	78	11.	23.5	22	do	"
7578	Corvus cryptoleucus	♂ad.	4	495	1020	340	211	49	62	50	do	"
7579	Lanius ludovicianus excubitorides	♂ad.	5	238	340	103	112	17	29	28	do	"
7580	!	♂	5	175	331	102	70.5	10	22	19	do	"
7581	?	♀	5	180	339	107	72.	20	19	19	do	"
7571	Carpodacus mexicanus frontalis	♂juv.	2	150	251	80	65.5	12	18	17.5	do	See pages 3 and 14.
7588	Corvus cryptoleucus	♂ad.	6	531	1080	355	221	52	66	59	do	See pages 6 and 14
7889	" "	♀ad.	6	504	1005	342	208	48	60	54	do	"
7590	Campylorhynchus brunneicapillus	♀ad.	6	212	275	88	84	23	29	22	do	"
7591	Salpinctes obsoletus	♂ad.	6	156	236	73	57	20	22	18.5	do	"
7592	" "	♂ad.	6	158	239	76	57	20	21	18	do	"
7593	Thryothorus bewicki bairdi	?ad.	6	147	177	58	64	14	18	16	do	"
7594	Pipilo fuscus mesoleucus	♂ad.	6	224	318	101	110	15.5	25	24	do	"
7595	Spizella breweri	♀ad.	6	140	210	67	68	10.	18.5	17	do	"
7596	Otocoris alpestris	♀ad.	7	172	315	99	69	11	20	18	do	"
7597	" " "	♀ad.	7	169	315	99	66	11	21	18	do	"
7598	" " "	♂ad.	7	182	340	110	81	12	23	18	do	"
7599	Salpinctes obsoletus	♂ad.	7	155	242	73	60	17	22	17.5	do	"
7612	Campylorhynchus brunneicapillus	♂ad.	11	215	287	92	85	24	29	26	do	See pages 7 and 14
7613	" "	♂ad.	11	209	272	83	81	21.5	27	23.5	do	"
7614	Zonotrichia intermedia	♂	11	165	239	77.	75	11.	23.	21.5	do	"
All down to No. 7661 are entered at pp. 14 to 16.			March									
7662	Spizella socialis arizonae	♂ad.	14	145	335	77	68	9.2	17.	16.	Juarez, Mexico	
7663	" " "	♂ad.	14	150	337	78	68	9.2	17.	16.	do	
7664	Ægialitis vocifera	♂ad.	14	243	504	163	92	19.	34	25	do	
7665	Speotyto c. hypogaea	♂ad.	15	240	640	186	96	14.5	43.	29	Near Juarez, Mexico	Bill and feet greenish yellow. Iris yellow. Stomach filled with insects and scorpions.
7666	[illegible] ~~Amphispiza belli nevadensis~~	♀ad.	16	174	270	189	73	12.3	27	21	Mexican Boundary Line, 15 m. W. of El Paso Texas.	~~Bill and feet greenish yellow. Iris yellow~~.
7667	Amphispiza belli nevadensis	♂ad.	16	171	257	84	81	12.	22	20	do	
7668	Spizella breweri	♂ad.	19	141	206	66	67	9.3	18	16.5	Near Emory's 5th monument. (Mexico.) Lat. 31°47' Long 30°15' west of Washington.	
7669	Regulus calendula	♂ad.	19	116	190	62	49	8.5	19	13.	(Mexico) do (This one from nearer monument 4)	The first seen this year.
7670	Sturnella neglecta	♂ad.	19 20	261	430	131	86	37	40	34	" do	
7671	Speotyto c. hypogaea	♂ad.	20	240	620	180	90	14	45	30	" do	Stomach crammed full of scorpions.
7672	Buteo borealis calurus	♂ad.	19	545	1300	400	225	24	88	62	" do	Stomach contained *Lepus arizonae*.
7673	Circus hudsonius	♀	20	530	1230	400	255	19	83	54	" do	Stomach empty.
7674	Amphispiza b. nevadensis	♂ad.	20	160	245	80	76	10.5	22	18	" do	
7675	Sturnella neglecta	♀ad.	21	228	366	112	69	30	38	35	" do	
7676	Callipepla squamata	♀ad.	21	250	380	120	89	12	31	33	" do	
7677	[continued on page 52]	♂ad.	21	260	382	118	87	[illegible]	33	32	" do	

No.	1892 April	Name	Sex and Age	Locality	Length	Alar expanse	Wing	Tail	Culmen	Tarsus	Middle toe and claw	Remarks
7818	18	Sylvania pusilla	♂ ad.	Camp near Carrizollito Spgs., N. Mex.	130	185	62	59	10	18	14	Iris dark brown. Bill flesh-color on mandible except at tip; residue of bill brownish black. Feet light brown; claws dusky.
7819	18	Pipilo fuscus mesoleucus.	♂ ad.	do	225	316	100	109	16	26	25	
7820	18	Junco caniceps	♂ ad.	do	166	256	84	76	11	20.5	19.	
7821	18	Spizella breweri	? ad.	do	140	205	64	64	9	18.5	16.	
7822	18	Callipepla squamata	♀ ad.	do	282	397	122	95	12.5	34	35	
7823	18	" "	♂ ad.	do	277	393	119	89	13.	36	35.	
7824	18	" "	♀ ad.	do	270	398	122	94	12.6	35	36	
7825	18	" "	♂ ad.	do	284	404	123	96	12.2	35	36.5	
7826	18	" "	♂ ad.	do	Not measured; has been injured.							
7827	19	Myiarchus cinerascens	♂ ad.	do	220	330	103	102	17.5	23	19	
7828	19	Campylorhynchus brunneicapillus	♀ ad.	do	208	301!	86	89	22	27.5	24	
7829	19	Spizella socialis arizonae	♀ ad.	do	144	223	77	68	10	17.	16.3	
7830	19	Pipilo fuscus mesoleucus	♂ ad.	do	208	319	101	100	16	25	24	Tail defective.
7831	19	" " "	♂ ad.	do	222	313	103	109	16	25	24	
7832	19	" " "	♂ ad.	do	219	320	104	107	17	26	25	
7833	19	Peucaea ruficeps boucardi	♂ ad.	do	167	219	70	78	12.	21.5	20.	
7834	19	" " "	♂ ad.	do	168	217	70	78	13	21	19.5	
7835	19	Campylorhynchus brunneicapillus	♂ ad.	do	218	287	93	91	23	29	24.5	
7836	19	Regulus calendula	? ad.	Crown red. do	105	184	61	52	10	19	14	Crown red. Sex probably female, though not positively determined.
7837	19	Sayornis saya	♀ ad.	do	181	300	98	80	15	19	15	
7838	19	Junco ridgwayi ?	♀ ad.	do	159	244	79	74	11.8	20.5	19.	Iris hazel. Bill flesh-color, with a dusky area at base & tip of maxilla. Tarsus fleshy brown. Toes & claws, brown.
7839	19	Sylvania pusilla	♂ ad.	do	125	181	60	54	9.5	18.	14.5	
7840	19	~~Dryobates~~ scalaris bairdi	♂ ad.	do	188	339	107	73	23	18.5	20.5	
7841	19	Trochilus alexandri.	♂ ad.	do	97	110	43	28	20	4.7	6.6	
7842	20	Aquila chrysaëtos	♀ pullus	do								Clothed with white down; quills an inch long; size of a domestic fowl. Iris very dark hazel. Bill plumbeous at base, blackish at extremity. Cere & commissural region, pale greenish yellow; bare sides of face, pale greenish gray. Feet very pale yellowish — almost white; claws bluish black, with some horn-color about tips.
7843	21	Harporhynchus c. palmeri	♂ ad.	do	262	352	110	121	24	33	31	
7844	21	Pipilo fuscus mesoleucus	♀ ad.	do	210	296	92	104	15	24.5.	25.	
7845	20	Spizella socialis arizonae	♀ ad.	do	138	230	73	64	9.	17.	18.	
7846	20	" " "	♂ ad.	do	148	240	76	66	10.	18.	18.	
7847	20	" " "	♀ ad.	do	139	220	71	65	9.5	17	16.	
7848	20	Salpinctes obsoletus	♂ ad.	do	158	233	75	59	20	22	19.	
7849	22	Empidonax wrightii	♂ ad.	Corner Monument, 100 miles W. of El Paso, Texas (centre of Rio Grande River).	152	236	74	64	12.5	18	14	
7850	22	Asio wilsonianus	♂ ad.	do	345.	945	295	149.	18	41	44.	Iris yellow. Contained entire Dipodomys sp. nov.
7851	23	Callipepla squamata	♂ ad.	do	265	397	124	93	12	32	33	~~Irist hazel~~
7852	23	Myiarchus cinerascens	♂ ad.	do	219	328	105	104	17	23	19	Iris hazel
7853	23	Amphispiza bilineata	♂ ad.	do	145	224	72	69	11	20	16.5.	
7854	23	Xanthocephalus xanthocephalus	♂ ad.	do	279	459	150	116	24	35	35	Shot by Mr. Findley.
7855	24	Scolecophagus cyanocephalus	♀ ad.	do	235	380	122	94	19	32	30	
7856	24	Xanthocephalus xanthocephalus	♂ ad.	do	281	462	167	116	23	35	34.5	
7857	24	Geothlypis macgillivrayi	♂ ad.	do	140	192	62	58	11.	21	17.	
7858	24	Zenaidura macroura	♂ ad.	do	322	465	160	160	13	21	26	Tail-feathers 16!
7859	25	Sturnella neglecta	♀ ad.	do	223	362	111	67	30.5	36	32.5	~~" "~~
7860	25	Lanius l. excubitorides	♂ ad.	do	229	320	100	109	16	28.5	23	
~~7861~~	26	Scolecophagus cyanocephalus (Continued on page 60)	♂	do	272	430	142	119	22	37	31	

[illegible] [Continued on page 52]

Number	1892 March	Name	Sex and Age	Locality	Length	Alar expanse	Wing	Tail	Culmen from true base	Tarsus	Middle toe and claw	Remarks
7678	21	Sayornis sayi	♂ ad.	Near Emory's 5th monument. (Mexico.) Lat. 31°47' Long 30°15' W. of Washington.	199	334	113	91	17	21	18	
7679	21	Spizella breweri	♀ ad.	(Mexico) do	137	208	67	67	8.5	17	16	
7680	22	Falco mexicanus	♂ ad.	" do	420	940	200	177	18.5	55	58	Shot flying over camp; was building or intending to nestle on a cliff 2 miles SE., where ♀ was wounded. Stomach empty.
7681	22	Numenius longirostris	♂ ad.	(New Mexico) do	550	975	280	118	144	80	47	Lieut. Gaillard shot it with his carbine.
7682	22	Cyrtonyx montezumae	♂ ad.	(Mexico) do	250	440	132	70	14.	30	35	Eagle Crag. Stomach filled with course seeds. Flock of 3.
7683	22	" "	♂ ad.	" do	240	430	131	68	14.	30	34	do
7684	22	" "	♀ ad	" do	225	410	127	64	12.5	29	33	do
7685	23	Spizella breweri	♀ ad.	" do	135	200	65	63	9.	15.5	16	
7686	25	Amphispiza belli nevadensis	♀ ad.	(N. Mex.) do	157	240	77	72	10.3	25	18.5	
7687	25	Oroscoptes montanus	♀ ad.	(Mex.) do	225	319	100	94	19.	31.	25	
7688	25	Corvus cryptoleucus	♀ ad.	(N. Mex.) do	513	1060	365	211	50.	62	56	Shot from tent.
7689	26	Circus hudsonius	♀	(Mexico) do	620	1240	403	270	18.	82	56	Stomach contained Lepus arizonae.
7690	27	Lanius ludovicianus excubitorides	♂ ad.	" do	240	330	106	101	16.5	28	25	
7691	28	Spizella breweri	♂ ad.	" do	144	205	67	70	9.	17.	15.5	
7692	28	~~Bubo~~ virg. subarcticus	♂ ad.	" do	490	1310	373	210	27	62	65	
7693	31	Junco caniceps	♂ ad.	(N. Mex.) do	171	265	87	82	11.	22	19	
7694	April 1	Myiarchus cinerascens	♂ ad.	(Mexico) do	225	340	110	105	18.5	23	19	The first seen.
7695	1	Pipilo chlorurus	♀?	" do	189	252	80	89	13.	24	25	
7696	1	Pipilo fuscus mesoleucus	♀ ad.	" do	209	297	95	102	14.7	25	25	
7697	2	Junco caniceps	♂ ad.	" do	166	258	86	79	11.5	20	18	
7698	2	Poocaetes gramineus confinis	♀ ad.	" do	158	265	82	67	11.	21	19	
7699	2	Corvus cryptoleucus	♀ ad.	" do	513	1060	365	212	50	63	54	
7700	2	Lanius ludovicianus excubitorides	♂ ad.	" do	237	333	107	110	16.5	29	24	
7701	2	" "	♂ ad.	" do	240	330	102	107	17.	30	25	
7702	3	Calamospiza melanocorys	♀ ad.	" do	168	275	86	66	12.5	21	21	
7703	3	Sayornis saya	♂ ad.	" do	207	350	111	91	14.	20	19	
7704	5	Falco sparverius deserticolus	♂ ad.	(N. Mex.) do	267	580	196	136	12.	36	31	Had just captured a Dipodops ordii in the entrance to
7705	5	Lanius ludovicianus excubitorides	♀ ad.	" do	231	327	103	105	15.	26	23	the latter's burrow, when seen by Holzner, & shot.
7706	5	Amphispiza belli nevadensis	♀ ad.	" do	164	249	81	77	11.5	20	19	
7707	5	Sayornis saya	♂ ad.	" do	200	342	111	91	15.5	21	17	
7708	6	Oroscoptes montanus	♂ ad.	(Mexico) do	225	318	104	97	18.	30	26	
7709	6	Junco caniceps	♂ ad.	do	166	262	87	77	11.5	21.5	19.5	
7710	7	Speotyto c. hypogaea	♀ ad.	Mimbres Valley, near Lake Palomas Mexico	232	625	180	86	18.	43	29	head of tibia to end of claws, 133. Stomach contained lizards and ants.
7711	7	Sphyrapicus thyroideus	♀ ad.	do	225	415	137	94	25	21	22	Head of tibia to end of claws, 71 mm.
7712	7	Oroscoptes montanus	♂ ad.	do	225	322	103	95	17	32	27	" " 92.
7713	7	Junco ~~dorsalis~~ caniceps	♀ ad.	Lake Palomas, Mimbres Valley, Mex.	161	241	78	73	11.	21.5	18	" "
7714	7	Macrorhamphus scolopaceus	♀ ad.	do	307	500	155	70	70	40	33	" " 135 mm.
7715	7	Recurvirostra americana	♀ ad.	do	466	802	242	95	97	100	53	" " 275.
7716	7	Macrorhamphus scolopaceus	♂ ad.	do	285	490	150	65	60	40	34	" " 134 } 4 Macrorhamphus and 4 Micropalama were standing in a bunch, when all were shot at one shot.
7717	7	" "	♀ ad.	do	305	500	156	64	70	44	35	" " 141
7718	7	" "	♂ ad.	do	288	472	149	61	65	40	34	" " 135
7719	7	Micropalama himantopus	♂ ad.	do	2?1	415	134	59	36	39	30	" " 119
7720	7	"	♂ ad.	do	235	418	134	61	41	41	28	" " 123

No.	1892 April	Name	Sex and age	Locality	Length	Alar expanse	Wing	Tail	Culmen from true base	Tarsus	Middle toe and claw	From head of tibia to end of claws	Remarks
7721	7	Micropalama himantopus	♀ ad.	Lake Palomas, Mimbres Valley, Mexico.	229	417	132	59	38	39.5	28		
7722	7	" "	♂ ad.	do	227	410	131	57	39	41.	27	122	
7723	8	Totanus melanoleucus	♂ ad.	do	243	595	183	84	54	62	39	178	
7724	8	" "	♀ ad.	do	354	610	193	83	56	63	40	178	
7725	8	" "	♀ ad.	do	356	650	205	84	55	65	40	183	
7726	8	Gallinago delicata	♂ ad.	do	276	440	140	65	63	34	38	127	
7727	8	Ægialitis vocifera	♀ ad.	do	257	500	162	102	18	33	25	100	
7728	8	Cistothorus p. paludicola	♂ ad.	do	138	180	56	53	14	20	17.5		
7729	8	Anthus pensilvanicus	♂ ad.	do	170	275	87	70	13	23	18.		Molting
7730	8	Tringa minutilla	♀ ad.	do	150	288	90	43	17.5	17.5	20	70	
7731	8	Charitonetta albeola	♂ ad.	do	385	625	180	95	28	33	57	155	
7732	8	Erismatura rubida	♀ ad.	do	345	570	147	65	40	33	64	160	
7733	8	Ægialitis vocifera	♂ ad.	do	268	530	173	109	20.5	37	28	120	
7734	8	Numenius borealis	♀ ad.	do	365	720	~~95~~ 214	~~62~~ 95	62	45	32.5	146	Tibia 70. Iris dark brown.
7735	9	Falco fusco-cærulescens	♂ ad.	Camp No. 3, near do	390	835	270	193	15.5	47.5	48		Cere, mastax + tomia, deep yellow. Bill yellow at base, shading to blue-black at tip. Feet chrome; claws, bluish black. Stomach contained Pipilo maculatus megalonyx
7736	9	Anas strepera	♀ ad.	do	500	870	263	197	39	41	54		
7737	9	Spatula clypeata	♂ ad.	do	510	810	250	102	68	37	52		
7738	9	Anas strepera	♂ ad.	do	551	922	276	109	47	46	58		
7739	9	" "	♂ ad.	do	535	905	275	105	45	43	61		
7740	9	Macrorhamphus scolopaceus	♂ ad.	do	285	470	147	68	61	39	34		
7741	9	" "	♀ ad.	do	308	506	155	68	73	39	37	140	
7742	9	" "	♂ ad.	do	282	478	148	61	68	39.5	35	132	
7743	9	Pipilo maculatus megalonyx	♀ ad.	do	210	285	91	97	15	28	28		
7744	10	Chen hyperborea	♂ ad.	do	755	1525	437	166	56	81	75	135	Shot by Stephen Barlow
7745	10	Fulica americana	♂ ad.	do	396	720	210	60	34	62	94	257	
7746	10	Botaurus lentiginosus	♂ ad.	do	705	1060	293	105	80	93	108		
7747	10	Circus hudsonius	♀ ad.	do	510	1230	400	265	19	85	52		Was eating a Green-winged Teal, that I had wounded a few minutes before.
7748	10	Tringa minutilla	♂ ad.	do	144	287	88	40	17	19	20	70	
7749	10	" "	♀ ad.	do	149	287	90	42	18	20	20.5	73	
7750	10	" "	♀ ad.	do	152	292	94	42	19.5	20	20.5	73	
7751	10	" "	♂ ad.	do	143	282	88	42	17.	18.	19.	68	
7752	10	Spatula clypeata	♂ ad.	do	512	820	258	110	69	40	52.	260	
7753	10	Anas cyanoptera	♀ ad.	do	400	623	184	75	44	34	45	143	
7754	10	Anas discors	♀ ad.	do	407	645	194	80	47	34	47	149	
7755	10	Anas carolinensis	♀ ad.	do	380	600	184	83	38	31	44	132	
7756	10	" "	♀ ad.	do	376	586	185	84	35	29	42	122	
7757	10	Anas cyanoptera	♂ ad.	do	423	665	200	87	47	35	47	142	
7758	10	Erismatura rubida	♀ ad.	do	380	580	147	91	42	34	64	163	
7759	11	Anas strepera	♂ ad.	do	545	915	277	110	46	48	62	178	
7760	12	Plegadis guarauna	♀ ad.	do	520	910	261	101	115	87	79	291	
7761	12	Xanthocephalus xanthocephalus	♂ ad.	do	275	455	147	111	22	38	36		
7762	12	" "	♂ ad.	do	270	471	154	113	23	39	35		
7763	12	" "	♂ ad.	do	278	468	155	109	22	34.5	34		

No.	1892 April	Name	Sex and Age	Locality	Length	Alar expanse	Wing	Tail	Culmen from true base	Tarsus	Middle toe and claw	Remarks
7764	12	Anas strepera	♂ ad.	Lake Palomas, Mimbres Valley, Mexico.	520	920	275	107	42	43	62	193 Measurements on page 30.
7765	12	Ammodramus s. alaudinus	♂ ad.	do								do
7766	12	Junco cániceps,	♀ ad.	do								do
7767	12	Tringa minutilla	♂ ad.	do								do
7768	12	" "	♂ ad.	do								do
7769	12	Anas cyanoptera	♂ ad.	do								do
7770	12	Anas carolinensis	♂ ad.	do								do
7771	12	"	♂ ad.	do								do
7772	12	Fulica americana	♀ ad.	do								do
7773	13	Anas strepera	♀ ad.	do	510	865	265	105	41	42	57	182.
7774	13	Pipilo maculatus megalonyx	♂ ad.	do	227	about 285	92	112	15	28	27	
7775	13	Anas strepera	♀ ad.	do								Measurements on page 30
7776	13	Erismatura rubida	♂ ad.	do								do
7777	13	" "	♀ ad.	do								do
7778	13	Tringa minutilla	♀ ad.	do								do
7779	13	" "	♂ ad.	do								do
7780	13	" "	♂ ad.	do								do
7781	13	" "	♂ ad.	do								do
7782	13	" "	♂ ad.	do								do
7783	13	" "	♀ ad.	do								do
7784	13	Gallinago delicata	♂ ad.	do								do
7785	13	Ægialitis vocifera	♂ ad.	do								do
7786	13	Ammodramus s. alaudinus	♂ ad.	do								do
7787	14	Himantopus mexicanus	♂ ad.	do								do
7788	14	Totanus flavipes	♂ ad.	do								do
7789	14	Amphispiza bilineata	♂ ad.	do								do
7790	15	Polioptila	♂ ad.	Boca Grande Mts, Mexico								do
7791	15	Callipepla squamata	♂ ad.	Camp no. 4, in the Hills near Carrizallilo Spring, N. Mex.	281	395	125	94	14	36	37	
7792	15	" "	♂ ad.	do	282	400	125	95	14.5	34	35	
7793	15	" "	♂ ad.	do	275	401	127	93	14.	36	37	
7794	15	" "	♀ ad.	do	260	385	124	85	13.	32	34	
7795	15	" "	♀ ad.	do	282	392	125	95	13.	34	38	
7796	15	" "	♂ ad.	do	273	392	123	88	12.5	35	36	
7797	15	" "	♂ ad.	do	284	400	124	90	12.5	34	36	
7798	15		♂ ad.	do	281	393	123	95	12.5	34	36	
7799	16	Myiarchus cinerascens	♂ ad.	Bocas Grandes Mts, Mexico								Measurements on page 30
7800	16	Spizella socialis arizonae	♂ ad.	Camp No. 4, in the hills near Carrizallilo Springs, New Mexico								do
7801	16	Spizella breweri	♂ ad.	do								do
7802	16	Regulus calendula	♀ ad.	do								do
7803	16	Callipepla squamata	♂ ad.	do								do
7804	16	" "	♀ ad.	do								do
7805	16	" "	♂ ad.	do								do
7806	16	" "	♀ ad.	do								do

No.	1892	Name	Sex and Age	Locality	Length	Alar expanse	Wing	Tail	Culmen from base	Tarsus	Middle toe and claw	Remarks
7807	16	Callipepla squamata	♀ ad.	Camp No. 4, in the Hills South of Carrizozillo Springs, New Mexico								Measurements on page 20.
7808	16	" "	♀ ad.	do								do
7809	16	" "	♀ ad.	do								do
7810	17	" "	♂ ad.	do								do
7811	17	Spizella breweri	♀ ad.	do	142	212	67	61	10.5	19.5	18	
7812	18	Amphispiza bilineata	♀ ad.	do	139	198	65	67	9.	17.5	16	
7813	18	Spizella breweri	? ad.	do	145	224	72	65	12.	21	17	
7814	18	Amphispiza bilineata	♂ ad.	do	209	292	90	85	22.5	30	24	
7815	18	Campylorhynchus brunneicapillus	♂ ad.	do	219	335	109	96	21.	25.5	25	
7816	18	Icterus parisorum	♂ ad.	do								Measurements on page 30
7817	18	" "	♂ ad.	do								Measurements on page 50
7818	18	Sylvania pusilla	♂ ad.	do								do
7819	18	Pipilo fuscus mesoleucus	♂ ad.	do								do
7820	18	Junco caniceps	♂ ad.	do								do
7821	18	Spizella breweri	? ad.	do								do
7822	18	Callipepla squamata	♀ ad.	do								do
7823	18	" "	♂ ad.	do								do
7824	18	" "	♀ ad.	do								do
7825	18	" "	♂ ad.	do								do
7826	18	" "	♂ ad.	do								do
7827	19	Myiarchus cinerascens	♂ ad.	do								do
7828	19	Campylorhynchus brunneicapillus	♀ ad.	do								do
7829	19	Spizella socialis arizonae	♀ ad.	do								do
7830	19	Pipilo fuscus mesoleucus	♂ ad.	do								do
7831	19	" " "	♂ ad.	do								do
7832	19	" " "	♂ ad.	do								do
7833	19	Peucaea ruficeps boucardi	♂ ad.	do								do
7834	19	" " "	♂ ad.	do								do
7835	19	Campylorhynchus brunneicapillus	♂ ad.	do								Crown red. do Sex not positively ascertained
7836	19	Regulus calendula	♀? ad.	do								do
7837	19	Sayornis saya	♀ ad.	do								do
7838	19	Junco ridgwayi?	♀ ad.	do								do
7839	19	Sylvania pusilla	♂ ad.	do								do
7840	19	Dryobates scalaris bairdi	♂ ad.	do								do
7841	19	Trochilus alexandri	♂ ad.	do								do
7842	20	Aquila chrysaëtos.	♀ pullus	do								do
7843	21	Harporhynchus c. palmeri	♂ ad.	do								do
7844	21	Pipilo fuscus mesoleucus	♀ ad.	do	138	230	73	64	9	17	18	
7845	20	Spizella socialis arizonae	♀ ad.	do	148	240	76	66	10.	18	18	
7846	21	" " "	♂ ad.	do	139	220	71	65	9.5	17	16	
7847	20	" " "	♀ ad.	do	158	233	75	59	20	22	19	
7848	20	Salpinctes obsoletus	♂ ad.	do								Measurements on page 50
7849	22	Empidonax wrightii	♂ ad	Near Camp No. 5 at the Corner monument 100 west of El Paso, Texas.								do
7850	22	Asio wilsonianus [Continued on page 50.]	♂ ad.	do								

 (Continued from page 50)

No.	1892 April	Name	Sex and Age	Locality	Length	Alar expanse	Wing	Tail	Culmen from true base	Tarsus	Middle toe and claw	Remarks
7862	26	Myiarchus cinerascens	♂ ad.	Corner Monument, N. Mex., 100 miles west of initial monument, near El Paso, Texas.	281 (~~325~~)	325 (~~105~~)	105 (~~98~~)	98	20	25	18	
7863	26	Callipepla squamata	♀ ad	do	275	400	124	93	14	32	35	Eggs considerably enlarged.
7864	26	Dendroica auduboni	♂ ad.	do	149	247	82	64 (~~64~~)	11	20	17.5	
7865	11 (~~26~~)	Callipepla squamata.	♀ ad.	Near Lake Palomas, Mexico	Not measured.	Shot by	Mr. Van	Orman with pistol.				
7866	26 (~~26~~)	Corvus cryptoleucus	♀ ad.	Corner monument, N. Mex., 100 miles west of the initial Monument, near El Paso, Tex	527	1065	355	217	50	58	52	
7867	26	Anas strepera	♀ ad.	do	Not measured.							
7868	April 1	Turdus aonalaschkae	ad	Mexican Boundary Line (5th monument) 49.6 miles west of El Paso, Texas.	"		"					
7869	" 1	Pipilo maculatus megalonyx Mr. Wright caught in his tent.	♂ ad	do	"		"					
7870	" 28	Zenaidura macroura	♂ ad	Corner Monument, N. Mex., 100 miles W. of El Paso, Texas. Mon't No. 40.	289	454	153	126	13	21	26	tail feathers 16.
7871	28	Tyrannus verticalis	♂ ad.	do	228	418	138	116	19	18	20	
7872	30	Cathartes aura	♀ ad.	do	653	1660	535	275	26	67	90	
✓7873	30	Auriparus flaviceps	♂ ad.	do	125	178	55	65	8.2	16	12.5	Parents of nest & 3 eggs taken; eggs contained rather large embryos. Nest in lower branch of cedar-tree, in a cañon. The first nest found this year.
✓7874	30	" "	♀ ad.	do	116	171	54	52	9	16	12.5	
✓7875	30	Contopus richardsonii	♂ ad.	do	161 (~~125~~)	272 (~~272~~)	90 (~~55~~)	71 (~~65~~)	13 (~~8.2~~)	14 (~~16~~)	13 (~~12.5~~)	The first seen.
✓7876	30	Amphispiza bilineata	♀ ad.	do	142	205	64	63	12	18	16	Parent of nest containing 4 eggs with large embryos the first nest seen this year. Nest lost on way home.
✓7877	30	Dendroica coronata (auduboni)	♂ ad.	do	152	252	83	68	10	19	17	Shot in a cedar-tree.
✓7878	30	Mimus polyglottos	♂ ad.	do	255	355	114	123	19	33	28	
✓7879	30	Sylvania pusilla	♀ ad.	do	127	175	56	58	9	18	13.5	
✓7880	May 1	Myiarchus cinerascens	♂ ad	do	218	333	104	102	19	22.5	19.	
7881	April 29	Callipepla squamata	♂ ad.	do	264	405	124	90	12.5	34	35	
✓7882	May 1	Campylorhynchus brunneicapillus	♀ ad.	do	198	263	80	80	20.5	25	23	Parent of nest with 3 eggs.
7883	2	Dendroica coronata (auduboni?)	♂ ad.	do	143	240	78	63	10.	19	17	
✓7884	2	Tyrannus verticalis	♀ ad.	do	219	393	125	95	20.5	19.5	20	Stephen Barlow took 4 fresh eggs from its nest on May 1st. These were the first eggs taken this year.
✓7885	3	Lanius ludovicianus excubitorides	♂ ad.	do	231	337	113	107	17	28	24	
✓7886	3	Dendroica auduboni	♂ ad.	do	150	242	79	64	10	19	17.5	Shot in a little ravine on mountain (Mexico), among cedars & mesquites.
7 ✓7887	3	Turdus ustulatus?	♂ ad. tag "7787"	do	197	315	105	83	13.5	29	24	
7 ✓7888	3	Pipilo chlorurus	♂ ad. " 7788	do	201	268	87	95	12.3	25.5	24.5	
7 ✓7889	3	Myiarchus cinerascens	♂ ad. " 7789	do	219	342	105	101	19	23	19	
7 ✓7890	4	Cathartes aura	♂ ad.	do	645	1740 (~~5~~)	510	270	32	60	78	
7 ✓7891	4	Empidonax hammondi.	♀ ad.	do	146 (~~142~~)	225	70	65	11	17.5	15	
7 ✓7892	5	Dendroica auduboni	♂ ad.	do	151	245	81	66	10	20	17	
7 ✓7893	5	Zenaidura macroura	♂ ad (14 tail-feathers.)	do	305	455	150	142	14.5	21	27	
7 ✓7894	5	Geothlypis macgillivrayi	♂ ad.	do	136	197	61	56	11	20.5	18	
7 ✓7895	5	Helminthophila celata	♀ ad.	do	130	196	63	53	10	19.	15.	
7 ✓7896	5	Empidonax	(♀?) ad.	do	153	229	73	72	11	19	15.	
7 ✓7897	5	Polioptila caerulea	♂ ad.	do	124	168	52	57	10	18	12.5.	
7 ✓7898	5	Spizella s. arizonae.	♀ ad.	do	143	216	70	67	9.5	17	17	
7 ✓7899	5	Empidonax	♂ ad.	do	145	220	69	63	10.8	18	14	
7 ✓7900	5	Pipilo maculatus megalonyx	♀ ad.	do	213	272	90	107	14	27	25	
7 ✓7901	5	Icterus parisorum	♂ ad.	do	204	329	106	98		23	23	
7 ✓7902	5	Junco caniceps	♀ ad.	do	158	250	80	73	11	21	19.5	
7 ✓7903	5	Dendroica auduboni	♂ ad.	do	143	235	79	63	10	19.	16.	
✓7904	5	Turdus aonalaschkae	♀ ad.	do	174	266	86	71	14	28	23	

No.	1892 May	Name	Sex and Age	Locality	Length	Alar expanse	Wing	Tail	Culmen	Tarsus	Middle toe and claw	Remarks
7905	5	Aquila chrysaëtos	♀ ad.	Corner Monument, 100 miles west of El Paso, Texas; Monument No. 40.	Measurements, etc., on page 22.							
√7906	6	Sylvania pusilla	♂ ad.	do	129	185	59	~~9~~ 55	~~18~~ 9	18	14.5	
√7907	6	Scolecophagus cyanocephalus.	♂ ad.	do	253	412	134	108	22	33	30	
√7908	6	Lanius ludovic. excubitorides.	♀ ad.	do	217	305	93	95	16	25	22.5	
7909	7	Tyrannus vociferans	♀ ad.	do	226	408	128	97	17.5	19	21.	The first one seen this year.
√7910	8	Myiarchus cinerascens	♀ ad.	do	212	304	98	96	16	23	20	Very faded, worn plumage.
√7911	9	Zonotrichia leucophrys	♂ ad.	do	189	264	84	86	11.3	24.5	24.	The first seen this year.
√7912	9	Piranga ludoviciana	♂ ad.	do	191	208	99	80	16.	20.7	18.5	do
7913	9	Aquila chrysaëtos	♀ juv.	do	Weight 8 pounds, Avoirdupois.							Taken from nest (Parent No. 7905)
√7914	9	Lanius lud. excubitorides	♀ ad.	do	228	320	100	102	15.5	28	23	Parents of nest & 4 eggs.
7915	9	" "	♂ ad.	do	233	323	100	104	16	27.5	24	Parents of nest & 4 eggs.
√7916	9	Icterus parisorum	♂ ad.	do	217	328	105	96	22.5	24	23	
√7917	10	" "	♂ juv.	do	210	313	101	88	24	24	25	
√7918	10	Myiarchus cinerascens	♀ ad.	do	214	313	98	94	19	23	19	A mated pair; breeding in Agave stalk.
√7919	10	" "	♂ ad.	do	214	320	100	94	19	21.5	18.5	A mated pair; breeding in Agave stalk.
√7920	11	Icterus parisorum	♂ ad.	do	224	326	106	95	23	23.5	28	
√7921	11	Myiarchus ~~parisorum~~ cinerascens	♂ ad.	do	215	318	99	94	19	20 23	20	
√7922	11	Pipilo maculatus megalonyx	♂ ad.	do	210	273	86	103	15	26	27.	
√7923	11	Sylvania pusilla	♀ ad.	do	125	175	56	53	9	18	14	
√7924	11	Junco caniceps	♀ ad.	do	163	247	80	73	12.2	21	20	
√7925	13	Poocætes gramineus	♀ ad.	do	165	264	82	70	13.	21	20	
√7926	14	Trochilus alexandri	♂ ad.	do	95	111	42	29	18.5	4.7	6.5	
√7927	14	Spizella s. arizonæ	♀ ad.	do	140	223	72	66	10.	17	16.5	
√7928	21	Hirundo erythrogaster	♂ ad.	Mesquite Springs, Mexico	187	333	123	93	8	11.	17.5	
√7929	21	" "	♂ ad.	do	197	337	125	106	8	11	17.5	
√7930	21	Callipepla squamata	♀ ad.	Sycamore Spring, New Mexico.	278	410	127	97	12.2	33	31	
7931	21	" "	♂ ad.	do	282	408	124	95	13	35	35	
√7932	21	Zenaidura macroura	♀ ad.	Dog Spring, New Mexico	277	442	150	130	13.5	21	23	tail feathers, 14.
√7933	21	" "	♂ ad.	do	322	460	155	164	14	23	25	" " 14.
7934	22	Amphispiza bilineata	♂ ad.	do	148	222	73	73	10.5	18	17	
7935	24	Vireo gilvus swainsoni	♂ ad.	do	142	224	70	57	11	19	15	Iris hazel.
7936	24	Vireo " "	♀ ad.	do	137	218	69	52	10.5	18	14.5	Iris hazel.
7937	24	Carpodacus f. mexicanus	♂ ad.	do	160	257	80	70	12.	17.5	19.	
7938	24	Habia melanocephala	♂ ad.	do	210	330	104	82	19	24	23	
7939	24	Dendroica auduboni	♀ ad.	do	145	232	76	62	11	20	17	
√7940	25	Zonotrichia leucophrys	♀ ad.	Big Hatchet Mt. New Mexico.	182	256	77	81	12.5	24	23.5	Summit of Big Hatchet Mt.
√7941	27	Buteo swainsoni	♀ ad.	Dog Spring, Grant Co., New Mexico	510	1310	420	228	22.5	68	58	A mated pair taken with 2 eggs. cul. & cere, 33; cere, 14. (Iris hazel. Cere & base, black, bill bluish gray at base. Feet, pale greenish yellow. Bill & claws,)
√7942	27	" "	♂ ad.	do	490	1220	383	210	22	68	58	A mated pair taken with 2 eggs. " 32 " 12. do
√7943	27	Callipepla squamata	♂ ad.	do	288	403	124	100	13	32	35	
√7944	27	" "	♀ ad.	do	275	395	122	96	13	31	34	
√7945	27	Tyrannus verticalis	♂ ad.	do	222	408	134	103	18	18.5	20	A mated pair, taken with nest and 3 eggs. Nest in hackberry-tree.
√7946	27	" "	♀ ad.	do	224	390	127	94	18.5	18.5	20	A mated pair, taken with nest and 3 eggs. Nest in hackberry-tree.
7947	27	Otocoris a.	♀ ad.	do	164	299	98	66	11	20	15.5	

No.	1892 May	Name.	Sex and Age	Locality.	Length	Alar expanse	Wing	Tail	Culmen	Tarsus	Middle toe and claw	Remarks.
✓7948	27	Salpinctes obsoletus.	♂ juv.	Dog Spring, Grant Co, New Mexico.								Young just from nest. Half a dozen flew from a nest under a large stone, on a hillside.
✓7949 2	11	Geothlypis macgillivrayi ~~Dendroica auduboni~~	♂ ad.	Mesquite Spring, Mexico	142	194	65	56	11.	22	15.	F. X. Holzner. Iris, brown.
✓7950 3	11	Empidonax wrighti	? ad.	do	152	230	73.5	69	12.	19	14.	" " "
✓7951 4	11	Cathartes aura	♂ ad.	do	605	1054	476	243	26.	62	86.	" " " Iris, grayish brown. to head of tibia 81
✓7952 5	11	Ereunetes occidentalis	♀ ad.	do	176	327	105	52	28.	25	23.	" " " to head of tibia 80
✓7953 6	11	Ereunetes occidentalis	♀ ad.	do	175	320	102	50	26.	25	22	" " " ~~to head of tibia 80~~
✓7954 7	11	Aegialitis vocifera	♀ ad.	do	250	522	170	94	21.	34	28	" " "
✓7955 8	12	Hirundo erythrogastra	♂ ad.	do	195	325	126	102	8.	16	16	" " " Iris almost black.
✓7956 9	12	Chordeiles texensis	♂ ad.	do	243	575	202	128 ~~120~~	5.	14	21	" " " Very common
✓7957 10	12	Chordeiles texensis	♂ ad.	do	248	574	200	120	5.3	16	20	" " " Iris dark brown
✓7958 11	13	Lanius lud. excubitorides	♂ ad.	do	225	320	102	103	16	28	22.5	" " "
✓7959 12	13	Aegialitis vocifera	♂ ad.	do	284	505	165	102	19.5	34	28	" " " Iris very dark brown.
✓7960 13	16	Harporhynchus crissalis	♀ ad.	do	295	318	100	142	37	34	28	" " " Iris gray.
✓7961 14	16	Seiurus aurocapillus	♀ ad.	do	151	240	76	57	12.5	25	23	" " " Iris brown
✓7962 15	16	Corvus cryptoleucus	♀ ad.	do	505	1040	350	219	48	62.	50	" " "
✓7963 16	16	Pipilo fuscus mesoleucus	♂ ad.	do	218	315	101	102	15	24	26	" " "
✓7964 17	16	Otocoris	♂ ad.	do	178		110	74	10	19	19	" " "
✓7965 18	16	Ammodramus s. alaudinus	♀ ad.	do	137	225	72	51	10.5	21	19	" " "
7966 19	16	Xanthocephalus xanthocephalus	♀ ad.	do	232	380	125	94	19.	32	31	" " " Bill and claws, yellow; feet fleshy brown
✓7967 20	17	Pyrrhuloxia sinuata	♂ ad.	do	220	310	97	110	15.	26	24	E. A. M.
7968 21	16	Xanthocephalus xanthocephalus	♀ ad.	do	231	360	117	90	19.5	30	31	" " "
✓7969 22	18	Junco	♂ ad.	Big Hatchet Mt., Grant Co, N. Mex.	163	246	80	77	12.	22	19	" " ". Iris orange yellow.
✓7970 23	18	Myiarchus cinerascens	♂ ad.	do	225	328	108	103	17.	26	17	" " "
✓7971 24	18	Dendroica auduboni	♀ ad.	do	136	225	75	59	10.5	19.5	16.5	" " "
✓7972 25	18	Junco	♂ ad.	do	164	260	82	77	13.	21.	20.	" " "
✓7973 26	18	Sylvania pusilla	♀ ad.	do	124	173	55	52	8.	17.	14.	F. X. H.
✓7974 27	18	Contopus borealis	♀ ad.	do	190	325	108	76	18	14	16.	F. X. H.
✓7975 28	19	Contopus borealis	♂ ad.	do	193	328	109	77	18.	14.	16.	F. X. H.
✓7976 29	19	Chondestes gram. strigata.	♂ ad.	do	173	275	88	73	12.	21.	20.5	F. X. H.
✓7977 30	19	Contopus richardsonii	♀ ad.	do	153	253	82	65	13.	13.	13.	F. X. H.
✓7978 31	19	Piranga hepatica	♂ ad.	do	208	323	103	88	18.	22.5	22.	} a mated pair. F. X. H.
7979 32	19	" "	♀ ad.	do	210	323	103	89	18.	23.	22.2	}
✓7980 33	19	Junco cinereus		do	166	253	83	78	11.5	21.	19.	" F. X. H. Reddish on crown(!) and sides.
✓7981 34	19	Thryothorus bewickii bairdi	♂ ad.	do	146	190	61	63	15.	18.5	17.	" F. X. H.
✓7982 35	19	Catherpes mexicanus conspersus	♀ ad.	do	150	192	61	55	20.5	17.	17.5	" F. X. H.
✓7983 36	20	Micropus melanoleucus.	♂ ad.	do	161	344	144	65	7.	10.	14.	F. X. H.
✓7984 37	20	Tachycineta thalassina	♂ ad.	do	135	310	120	49	6.	13.	15.	F. X. H. Enlarged testicles E. A. M.
✓7985 38	21	Antrostomus vociferus arizonae ~~stephensi~~	♀ ad.	do	244	462	165	119	14.	18	21.	2 eggs size of hazel-nut, but not hard. F. X. H.
✓7986 39	21	Thryothorus bewickii bairdi	? ad.	do	138	about 185	60	64	15.	19	14.	F. X. H.
7987 40	21	Piranga hepatica	♂ ad.	do	215	330	108	87	17.5	24	22.5	F. X. H.
✓7988 41	21	Peucaea ruficeps boucardi	♀ ad.	do	158	210	67	69	12.	21	20.	Iris brown. F. X. H.
✓7989 42	21	Vireo	♂ ad.	do	144	208	69	63	11.	20	15	F. X. H.
✓7990 43	21	Contopus richardsonii	♂ ad.	do	163	270	90	67	12.5	15.	12.	F. X. H.

No	1892 May	Name	Sex and age	Locality	Length	Alar expanse	Wing	Tail	Culmen	Tarsus	Middle toe & claw	Remarks
√7991 [44]	21	Helminthophila celata	? ad.	Big Hatchet Mt., Grant Co., N. Mex.	124	175	60	52	10.	20	13.	Holzner; Iris brown; one flock seen of about 20.
√7992 [45]	22	Spinus pinus	♂ ad.	do	137	237	78	48	10.8	15.	16.	"
√7993 [46]	22	Psaltriparus	♀ ad.	do	111	154	52	60	7.	17.	12.	" Iris lemon-yellow Ova very large [drawing of ova]
√7994 [47]	22	"	♂ juv.	do	81	125	40	32	6.	16.	12.	" one flock of about 15 or 20 seen.
√7995 [48]	22	Icterus parisorum	♀ ad.	do	205	304	99	86	21.5	25.	22.5	"
√7996 [49]	23	Micropus melanoleucus	♂ ad.	do	157	327	142	59	6.	10.	13.5	" Iris dark brown.
√7997 [50]	24	Polioptila caerulea	♀ ad.	do	123	157	51	55	11.	27.5	10.	"
√7998 [51]	24	Icterus parisorum	♂ ad.	do	225	344	122	100	23.	26.5	25.	" Iris brown.
√7999 [52]	24	"	"♀" F.X.H.	do	207	318	102	87	20.5	25	24	" Iris very dark brown.
√8000 [53]	24	Vireo	♀ ad.	do	137	217	72	55	10.5	19	14	" Iris brown.
8001 [54]	24	Aphelocoma woodhousei	♂ ad	do	315	415	135	156	26.	42.	30	"
√8002	11	Chondestes gram. strigata	♀ ad.	Mesquite Spring, Mexico	170	274	87	71	13	21	20.5	"
8003	May 1892	Asio accipitrinus	? ad.	Alamo Hueco Ranch, N. Mex.	~~203~~	~~269~~	~~82~~	~~82~~	~~22~~	~~27~~	~~24.5~~	Head of (desiccated) specimen found dead.
8004	May 29	Campylorhynchus brunneicapillus	♀ ad.	Dog Spring Grant Co., New Mexico	203	269	82	82	22	27	24.5	Caught on nest, with 4 eggs.
8005	30	Trochilus	♀ ad.	do	96	125	52	33	19	5.5	8	
√8006	30	Amphispiza bilineata	♂ ad.	do	148	222	70	68	12	21	17	
√8007	30.	Mimus polyglottos	♂ ad.	do	250	365	119	128	19	34	28	nest & 3 Eggs.
√8008	30	Icterus parisorum	♀ ad.	do	211	324	105	88	21	25.5	24.5	3 Eggs as large as this [drawing of egg]
√8009	30	Campylorhynchus brunn.	♂ ad.	do	218	285	93	84		31	26	
8010	31	Ampelis cedrorum	♂ ad.	do	180	292	96	60	10	19	20	
8011	31	"	♀ ad.	do	175	290	96	59	10	19	20	
√8012	31	Melanerpes f. aculeatus	♀ ad	do	232	454	143	90	23	22	24	
√8013	31	Piranga hepatica	♀ ad	do	214	332	103	97	17	26	21	
√8014	31	Pipilo fuscus mesoleucus	♂ ad	do	225	310	102	105	16	27	26	
√8015	31	Harporhynchus crissalis	♂ ad	do	305	332	105	142	32	36	32	
√8016	31	Myiarchus cinerascens	♂ ad	do	220	328	101	100	19	23	18	
√8017	31	Contopus richardsonii	♀ ad	do	160	260	87	68	13	15	12	
√8018	31	Vireo gilvus swainsoni	♀ ad	do	133	215	70	51	9.5	18	15	
√8019	31	Mimus polyglottos	♂ ad	do	260	354	115	128	18	33	29	Nest and four 4 Eggs
8021	June 1	Meleagris gallopavo mexicana	♀ ad.	San Luis Mts, Mexico	1050.	1440	445	380	33	140	99.	♀ shot in tree in the evening.
8020	May 31	" " "	♀ ad	do "				380	35	140	100	♀ Shot in tree in the evening.
√8022	31	Speotyto cunicularia hypogaea.	♂ ad.	Western base of do U.S.	242	640	185	90	15	50	27	
√8023	31	Melanerpes f. aculeatus	♀ ad.	do Mexico	237	455	145	91	26	21	25	[illegible] greenish yellow.
√8024	June 1	Urubitinga anthracina? (Buteo albicaudatus written over)	♀ ad.	do "	560	1400	440	247	26	83	67	Iris [illegible] Bill bluish at base shading to [illegible] at tip; Eggs greenish-white, stained faintly with olive-green over part of surface
√8025	1	" "	♂ ad.	do "	495	1290	410	228	22	75	62	Took 1 egg from nest [illegible] 56 x 41 mm.
√8026	3	Callipepla squamata	♂ ad.	White Water Plias Valley, N. Mex.	273	393	120	92	12.5	34	34	A mated pair: female laying.
√8027	3	" "	♀ ad.	~~Dog Spring~~ do	275	393	119	95	13.5	33.5	33.5	
√8028	5	Carpodacus frontalis	♀ ad.	Dog Spring, Grant Co., N. Mex.	155	247	78	64	11.5	19	20	
√8029	5	Guiraca caerulea eurhyncha	♀ ad.	do	179	278	90	75.	17	20.	23.5	
√8030	5	Aegialitis vocifera	♀ ad	do	252	510.	164	98	20	39	26.	
√8031	6	Geococcyx californianus	♀ ad	do	564	528	172	300	47	64	44	
√8032	6	" "	♂ ad	do	600	550	182	320.	49	62	47.	
√8033	6	Lanius ludov. excubitorides	♂ ad	do	230	323	102	107	[illegible]	26	25	

No.	1892 June	Name	Sex and age	Locality	Length	Alar expanse	Wing	Tail	Culmen	Tarsus	Middle toe + claw	
√8034	6	Harporhynchus crissalis	♀ juv	Dog Spring, Grant Co., N. Mex.	Not measured -							Young of the year.
√8035	6	Amphispiza bilineata	♂ ad.	do	148	222	76	69	11,5	20,5	17,5	
√8036	7	Mimus polyglottos	♂ ad.	do	253	357	113	131	17	33.	28	
√8037	7	Trochilus alexandri !	♀ ad.	do	102	118	49	31.	21	—		
√8038	8	Chordeiles texensis	♀ ad.	"	220	540	185	110	6	16	20	
√8039	8	" " texensis	♂ ad.	do.	225	530 alar	194	115	7	17	20	
√8040	9	Geococcyx californianus	♂ juv.	do.	Young of the year.							
√8041	9	Buteo borealis calurus	♂ im.	do	Not measured. Shot ... by Lieut. Gaillard.							
√8042	9.	Amphispiza bilineata	♀ ad.	do	145	218	69.	68	11	19	17.	Nest & 3 Eggs.
√8043	12	Carpodacus mex. frontalis	♂ ad.	do	150	240	79	63	10,5	18	20.	
√8044	13	Speotyto cunicularia hypogaea	♂ ad.	Chihuahua.	227	613	178	86	—	45	27	
√8045	14	Corvus cryptoleucus	♀ ad.	White Water, Mexico	502	1060	357	211	50	63	53	
√8046	16	Otocoris alpestris !	♂ ad.	do	181	323	105	76	13,5	23	17,5	
√8047	16	" " "	♀ ad.	do	170	305	101	69	12	21	16	
√8048	16	" " "	♂ ad.	do	170	318	105	69	11	21	16	
√8049	16.	" " "	♀ juv.	do								
√8050.	17	Corvus cryptoleucus	♀ ad.	do	570	1050	350	265	50	60	51	Parent of set of 3 eggs.
√8051	17	Tyrannus ~~tyrannus~~ verticalis	♂ ad.	do	230	414	134	104	18	18	20.5	Parent of set of 4 eggs (No 4028)
√8052	17	Tyrannus vociferans	♀ ad.	do	227	398	128	94	20.5	19	22.	Doubtless had a nest.
√8053	17	Buteo borealis calurus	♂ ad.	do	530	1315	407	232	23	88	61	Parent of two young taken. Iris hazel.
√8054	17	" " "	♀ juv	do	Stomach contained striped snake (in alcoh.)							} Progeny of the above; nearly grown.
√8055	17	" " "	♂ juv	do	Stomach contained Dipodomys spectab. + Lepus ariz.							} Shot in nest.
√8056	17	Geococcyx californianus	♂ juv	do	Stomach contained several lizards & a number of large grasshoppers.							Young of the year that had left the nest.
√8057	17	Chordeiles virg. henryi	♀ ad	do	230	685	200	115	4.4	15	21	Dozens seen in oak-trees
√8058	17	Lanius l. excubitorides	♀ ad	do	223	326	99	100	16	26	25	In worn plumage.
√8059	17	Aphelocoma woodhouseii	♀ ad	(E. base S. Luis Mt.) do	290	400	130	137	26.5	38	29	In very worn plumage
√8060	17	Callipepla squamata	♂ ad	do	286	402	125	102	13	35.5	34.5	One of flock of eight.
√8061	17	Parus wollweberi	♂ juv	do								Young of the year.
√8062	17	Pipilo fuscus mesoleucus	♀ ad	do	211	295	94	103	15.5	24.4	25	
√8063	17	Contopus richardsonii	♀ ad	do	154.	259	83	66	11.8	13.	11.5	Probably had a nest which I could not discover.
√8064	20	Chordeiles	ad.	do	238	590	203	118	6.	15.	20.5	White Water, Mex.
√8065	22	Speotyto c. hypogaea.	♂ ad	San Francisco Water Cañon, Eastern base of San Luis Mtns, Chihuahua, Mex (about 5 miles South of U.S. line.)	240	615	180	80	13.	44.	28	Near San Francisco Water.
√8066	22	Cyrtonyx montezumae	♂ ad	do	235	440	130	69	15.	30	38	Killed with a stone - by our cook.
√8067	22	Buteo borealis calurus	? juv.	do	Not measured. Stomach empty. Recently from nest.							
√8068	23	Habia melanocephala	♂ ad	do	222	325	110	90	20	26	23	
√8069	23	Trogon ambiguus Gould.	♀ ad.	do	215	~~325~~ 410	~~110~~ 135	~~90~~ 202	17	16	19.	Bill yellow. Had not oviposited; seen with its mate.
√8070	23	Columba fasciata	♂ ad.	do	384	638	214	159	17	29	41	
√8071	23	Colaptes cafer	♀ ad.	do	308	507	160	108	39	29	33	In worn plumage; with its family of young.
√8072	23	Piranga hepatica	♂ ad.	do	214	330	108	85	19.5	23.5	23	
8073	23	Psaltriparus	♀ ad	do	113	153	49	60	7	16	11.5	Iris white.
8074	23	Spinus ps. arizonae	♂ ad.	do	118	205	66	48	9.	14	14.5	With small flock.
8075	23	Parus wollweberi	♀ ad.	do	124	195	62	58	9.	17.5	15.	In worn plumage: with its young.
8076	23	Habia melanocephala	♂ ad.	do	212	325	108	88	20.	24	24	

(Record continued on p. 130)

(Record continued on p. 130)

[Continued from page 26.]

Name.	April 15 to 22 Camp No. 4, near Carrizillito Spring, New Mexico	April 22 to Camp No. 5 at the Corner Monument. Parallel 31°47'	Cavalry Camp at Mesquite Springs, Mexico, 15 miles south of the Upper Corner Monument.	Camp on Big Hatchet Mountain	Dog Springs, N. Mex., 6 miles west of the Lower Corner Monument	Lang's Ranch and neighboring portion of San Luis mountains	White Water, Mexico	
Spermophilus grammurus	Several seen. One shot but escaped in rocks	Skull preserved. Several seen.		One shot on the very top; common	Very common	One shot on east side June 18.	Several shot in neighboring San Luis Mts	
Cariacus leucurus mexicanus						Common; several shot		
Tamias dorsalis					One shot on Emory Peak.	One on east side June 18.		
Cariacus leucurus crookii								

Record continued on p. [illegible]

Record of Eggs Collected.

Set Eggs

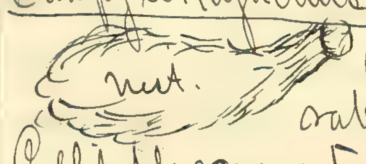
4000 a/1. Cyrtonyx montezumae or Callipepla squamata. – An egg was found dessicated near Camp No. 2, at Emory's 5th monument, on the boundary line, 49.6 miles west of El Paso, Texas. Lat. 31°47' Long. 30°15' W. of Washington, which may be that of either of the above. Both of these Partridges were fairly numerous there & no other kind was found, nor feathers of any other kind seen in Cactus Wren's nests. When found the egg was white all over, with a smooth shell, short ovate, and measured 33 x 25 mm. The shell was not pitted like that of Callipepla squamata, nor were there any traces of markings, which leads me to suppose that it may be the egg of Cyrtonyx montezumae, an egg hitherto unknown. It was an egg of the previous year. The nest was built in a tuft of grass, near some rocky hills and buttes.

4001 a/3 Aquila chrysaëtos. See page 22.

4002 1/2 Buteo borealis calurus. Nest a bulky one, on a ledge of a cliff of Camel Mt., N. Mex (just north of the boundary line), near Camp No. 2, at Emory's 5th monument, 49.6 west of El Paso, Texas, Lat. 31°47' Long. 30°15'. Taken with male parent (No. 7672) ~~April~~ February 19, 1892. Eggs measure 62 x 49.5; 62 x 49.5 mm. Both have the ground-color greenish-white. One of them is finely dashed all over with light clay-color, with some large irregular blotches of the same near the great end. The other is sparingly blotched or stained in places with the same, and, in addition has numerous irregular markings, sometimes forming lines or streaks, chiefly about the great end, of burnt umber. Nest composed of sticks and leaves & stalks of ~~dead~~ yucca.

4003 1/2 Harporhynchus crissalis. Nest built in a bush (Ephedra), 2½ feet above the ground, March 26, 1892 (see page 16). Nest measures outside 200 in width by 175 in depth; inside 90 x 35 mm. Outwardly composed of spiny twigs of mesquite and other shrubs, inwardly a homogeneous mass shred of inner bark of plant stems, loosely interwoven. Locality same as above.

4004 4/5 Campylorhynchus brunneicapillus. Nest built in a mesquite.



Outwardly composed of long grass, lined with rabbits'-hair and feathers of Icterus parisorum, Callipepla squamata, Pipilo chlorurus and Cyrtonyx montezumae. March 30, 1892. Same locality as No. 4002.

4005 5/3 Campylorhynchus brunneicapillus. Nest built in a soap-weed (Yucca angustifolia) near Lake Palomas, Mexico. April 9, 1892. Outwardly composed of long grass, strands & fibres of yucca, lined with rabbits'-hair and feathers of Geococcyx californianus, Callipepla squamata, Lanius ludovicianus, Pipilo maculatus megalonyx and Anas boschas.

4006 3 Campylorhynchus brunneicapillus. Nest built in a cholla cactus, 5 feet above the ground; near Carrizallilo Spring, New Mexico, April 16, 1892. Outwardly composed of long grass, lined with rabbits'-hair and feathers of Geococcyx californianus, Callipepla squamata, Harporhynchus crissalis, Pipilo maculatus megalonyx, etc. Eggs perfectly fresh.

4007 4 Campylorhynchus brunneicapillus. Nest built in a saw-leaved yucca, 6 feet above the ground, in the Carrizallilo Mts., Mexico, near Camp No. 4, April 17, 1892. Outwardly composed of plant-stems, yucca fibre and grass, lined with cow-hair and rabbits'-hair and some feathers of Callipepla squamata and Corvus cryptoleucus. Eggs contained small embryos.

4008 3 Campylorhynchus brunneicapillus. Nest built in a cholla cactus, in the Carrizallilo Mts, New Mexico, near camp No. 3. Taken April 19, 1892. Outwardly composed of long grass and plant stems; lined with rabbits-hair and feathers (Geococcyx Callipepla squamata etc.) Eggs perfectly fresh. Parents, Nos. 7828♀, 7835♂.

4009 5/3 Campylorhynchus brunneicapillus. Nest built in a cholla cactus, at the Corner Monument, Mexico, 100 miles west of the initial monument of the survey at El Paso, Texas. April 27, 1892. Nest composed of grass and yucca fibres lined with rabbits'-hair and feathers of the Road Runner, Scott's Oriole and Scaled Quail. Sent to Miss Lillian Heathaway Mearns.

4010 5 Campylorhynchus brunneicapillus. Nest built in a cholla cactus, 5 feet above the ground. Composed of grass & plant stems, lined with rabbits'-fur & feathers April 28, 1892.

4011 3-1 Auriparus flaviceps. Nest built in the lower branch of a red cedar (specimen of tree preserved in botanical collection) about 10 feet above the ground, in a cañon. Parents, Nos. 7873♂ & 7874♀, preserved. Nest, with branch, preserved. It measures externally 175 x 125 mm. Externally composed of woolly plant-stems and twigs with leaves attached, with a few feathers intermixed, and some spiders'-webs. Taken April 30, 1892.

Campylorhynchus brunneicapillus. – A set of four (4) eggs, taken May 9, 1892, at the Corner Monument, are remarkably large, with sparse markings, and a ~~pto~~ white ground. They measure 25 x 17.6; 24.7 x 17.2; 24.8 x 17; 25 x 17.5. They are sparsely spotted with burnt umber and fainter markings of drab-gray, the markings become much more numerous in a circle about the great end. They contained large

xico, near Camp No. 4 April 17 1892. Outward

(1) Zenaidura. 29.7 X 22.5   29.2 X 22.8

Icteria virens

20.6 X 16.9. White, pretty evenly speckled with purplish gray faint spots and heavier rusty ones.

Contopus richardsoni — Short oval, pointed at small end, creamy white with areole of lilac + number around great end; also a few lilac spots on great end.

17.8 X 13.8 + 17.6 X 13.8 mm

Dendroica aestiva. 16.2 X 12.5

Ground-color greenish gray, marked all over with blotches + specks, heaviest near great end, of raw and burnt sienna?? color.

Vireo belli pusillus. — 17.3 X 12.8; 17 X 12.7; 17.3 X 12.7; 17 X 12.8 mm. Color bluish white, sparsely speckled at great extremity with small reddish brown spots.

Zenaidura. nest on horizontal forks of willow, of fine twigs, rootlets and stems of weeds, 230 mm in diameter, a hollowed platform merely.

Icteria virens longicauda. — 130 X 110 outside 55 X 70 (width) inside. Externally of leaves and tissue paper, coarse strips of inner bark of the cottonwood and stems of plants. Inside lining of finer shreds of bark. No feathers or soft lining.

Contopus richardsoni. — 80 X 50 outside 30 X 48 inside.

For blue prints
procure several ounces
each of —
Citrate iron &
ammonia &
ferricyanide of potassium
(red prussiate of potash)
C. P.

embryos, which could not be extracted. The nest was in a tall sumach, and composed outwardly of grasses + shredded plants, lined with rabbits'-hair and feathers—chiefly those of the Road-runner + Scaled Quail. The parent was setting on the nest. She only withdrew a short distance, and scolded.

4012 4/4 Amphispiza bilineata. Nest in a low haw bush, about a foot above the ground; deeply cup-shaped; composed of grass and plant stems neatly felted. Eggs plain bluish white. 18x13.5; 17.8x13.3; 17.9x13.3; 18x13.4 mm. Eggs so far advanced in incubation that they could not be preserved. Corner Monument, New Mexico. April 30, 1892 - Parent, No 7876♀

4011 3/3 Auriparus flaviceps. Nest in a large cedar, in a cañon in the foothills of the Apache Mtns, N. Mex, near the Corner Monument. April 30, 1892. Parents, Nos. 7873 + 7874 (♂+♀). Nest on a low limb, 8 feet above the ground. Eggs green with pale reddish-brown markings thickly grouped at the great end, where there are a few spots and lines of sepia also.

4014 4/4 Lanius ludovicianus excubitorides. Nest in a haw-bush 6 feet above the ground, in a cañon. Eggs taken May 9, 1892. First egg laid May 2 and one each day until four were in the nest, after which no more were laid. Nest in Mexico, near the Corner Monument 100 miles west of El Paso, Texas. Eggs greenish white blotched and spotted, all over with olive-gray and olive-brown spots, the spots being most numerous about the great end. Measurements.— 26.8x18.5, 24x18.5, 25x18; 24.8x18.6 mm. Nest 300x130 in external measurements, and 100 x 75 internal. Externally of coarse sticks, internally of plant-stems and yucca fibres, lined with feathers, rabbit-hair + cottony plants (Compositae).

4015 4/4 Amphispiza bilineata. Nest in a low bush (sage), near the Corner Monument, 100 miles west of El Paso. May 10, 1892. Eggs nearly fresh. Oval; plain bluish white. Nest of gray plant fibres + grass, lined with rabbit-hair. Outside measuring 100x125, inside 50 deep + 60 wide. Eggs measure 19x14; 18x14.5; 18.2x14.3; 18x14.2 mm. Eggs nearly fresh.

4016 2/2 Amphispiza bilineata. Data all the same as above, except measurements, + lining of nest. Nest lined with fine yellowish grass stalks and cottony vegetable material. Nest 160x85 outside, and 50x50 mm inside. Eggs contained large embryos. 18.7x13; 17.9x13.1.

4017 4/0 Amphispiza bilineata. Note. A third nest taken same place + date is similar. Eggs about to hatch. 19.7x13.6; 19.7x13.7; 18.8x14; 19x14.3 mm. Nest only preserved. Nest 170x85 outside, and 55x50 inside.

4018 3/3 Carpodacus ~~mexicanus~~ frontalis. Mexico, near the Corner Monument, Parallel 31°47', 100 miles west of El Paso. May 14, 1892. Identification doubtful. Nest in a cedar, 10 feet above the ground. Nest of plant stems + grass, with a bit of red flagging used by Surveyors on the outside. Eggs far advanced in incubation. Brought to me by Mr. Wheeler.

4019 4/4 Campylorhynchus brunneicapillus. Place and date the same as No. 4018. Nest not preserved.

4020 4/4 Campylorhynchus brunneicapillus. Place + date same as No. 4018. Nest + eggs preserved.

4013 3/3 ? Nest + 3 eggs (2 cracked) brought to by Mr. Wheeler May 10, 1892. Not identified.

4014 1/1 Trochilus ~~colub~~ alexandri.—Nest on lower limb of small Mexican Cottonwood (called Alamina instead Alamo) at Alamo Waco, Grant Co., N. Mex. Nest contained 1 fresh egg, which was broken in packing. Another nest, similarly situated, near this one, contained 2 eggs near hatching, which were not taken.

4015 a 5/5 Psaltriparus melanotis Nest found in a young evergreen oak-tree June 2, 1892 in the San Luis Mtns, Mexico. It contained 5 eggs measuring × ; × ; × 13.7 ; 10.4 × ; × mm. Nest pendulous, purse shaped, measuring 250x90 mm externally with an entrance at side, near the top 18 mm in diameter. Eggs pure white. Nest finely woven of a great variety of soft materials, such as cottony stems + leaves of plants, catkins, cobwebs, down, feathers, etc. Bird not shot. Eggs contained large embryos.

4016 B 1/1 Buteo zonocercus abbreviatus ~~Urubitinga anthracina~~. Nest on an oak (Quercus hypoleuca) 75 feet from the ground, in a cañon, near a spring in the San Luis Mountains, on the boundary line. June 1, 1892. The female was seen setting on the nest and shot when she flew from it. Both parents (Nos. 8024♀ + 8025♂) were shot. The male was also very brave in defending the nest, which contained one egg, measuring 58x44 mm, ~~almost~~ plain, greenish white, ~~though faintly stained with olive green over a part of the surface.~~ The nest was very bulky, of sticks, lined with bark and yucca. The parents had both recently fed on lizards. In addition to lizards the stomach of the female contained the foot of a bird.

4017 1/1 Buteo swainsoni, nest in a tall mesquite at White Water, Grant Co. N. Mex. On May 31 it contained one egg and both parents were seen. On June 2 it was apparently deserted and still contained but one egg, measuring 56x41 mm, almost plain, greenish white, though faintly stained with olive-green over a part of the surface. Nest of sticks bark + yucca. A

half-eaten Showy Dipodomys (D. spectabilis) lay on the nest and was preserved.

4018 B/3 Cardellina rubrifrons? Nest found June 1, 1892, in the bank of a stream, under a bush, the nest occupying a cavity whence a stone had been dislodged. The parent flew from nest, showing its white outer tail-feathers conspicuously; but I was unable to shoot it. The eggs contained large embryos. The locality was in Mexico close to the U.S. border in the San Luis Mountains. Eggs short ovate, creamy white, with a circle of walnut-brown spots around the great end, in which are a few smaller spots of ~~lavender~~ drab. 16.5 X 13.7 ; X ; X . This may be Cardellina rubrifrons?

4019 1/1 Ægialitis vociferans ?? 40 X 25.7 Egg found in a grassy place near the water at Lang's Ranch in the Animas Valley, at the base of San ~~Luis~~ Mtns, N. Mex. June 1, 1892.

4020 4/4 Psaltriparus Geococcyx californianus June 6, 1892. Dog ~~Oak-tree 8 feet above the ground~~ Spring, Grant Co, New Mexico Eggs white, chalky, 39 X 29.7; 39 X 29; 38 X 29.5; 38.7 X 29.2; Nest in Juniperus pachydermata, 15 feet above the ground. Nest of twigs, etc. Parents, 8031 + 8032. Shape elliptical ovate. Nest shallow.

4021 B/3 Pipilo fuscus mesoleucus. June 2, 1892. Dog Spring, N. Mex. Eggs ovate 24.3 X 17.8; 24 X 18.6; 24 X 18. Pretty evenly spotted, dotted, lined or blotched all over with numerous drab-gray markings and less numerous ones of burnt umber, on a light gray ground.

4022 a/6 Corvus cryptoleucus. June 13, 1892. Near Dog Spring, Grant Co., New Mexico. Nest in a soapweed six feet above the ground. Eggs 28.5 X 40.5; 28.5 X 41.5; 28.7 X 40; 41.3 X 30; 29.5 X 41; 29. X 41 mm! Contained large embryos.

4023 3 Amphispiza bilineata. June 9, 1892. Dog Spring, Grant Co., N. Mex. Parent No. 8042 ♀.

4024 B/1 Callipepla squamata. June 12, 1892. Dog Spring, New Mexico 32.5 X 26 mm. Nest contained one egg on June 10. On June 12 the egg had been rolled away from the nest, which was a cavity scraped under some grassy mesquites. The egg is short ovate, white, dotted all over with pale brownish yellow specks. Stephen Barlow.

4025 2 Harporhynchus crissalis. June 15, 1892. White Water, Playas Valley, Mexico. Nest contained 2 eggs, bluish green, unspotted, ovate, measuring 26.5 X 18.5 and 19 X 26 mm. Given me by Stephen Barlow.

4026 C/4 Callipepla squamata. June 25, 1892. White Water, Mexico. Bird flew from nest. Eggs short ovate, measuring 32 X 26; 31 X 25; 33 X 26; 31 X 25.5 mm. Shell punctate, with large + small spots or dots of wood brown, the largest spots being near the larger end

4027 B/3 Corvus cryptoleucus. June 17, 1892. Eastern base of San Luis Mountains, on the boundary line between the U.S. + Mex., at the lower edge of timber in an oak-tree 80 feet above the ground. Parent shot as it flew from nest (No. 8050 ♀). Six eggs would have constituted the set. Eggs elongate ovate, measuring 45 X 30; 31 X 44¼ ; 44.3 X 30.5: Pale greenish blue, dashed (chiefly about the greater extremity) with pea-green and ~~with~~ smaller spots of olive-green. The pea-green stripes are mostly laid on longitudinally. The parents were brave in their care for their nest; and both could have been shot.

4028 4 Tyrannus ~~verticalis~~ vociferans, June 17, 1892. Nest in a walnut-tree (Juglans rupestris) at the lower timber line, on the San Luis Mountains, on the boundary line between the U.S. and Mexico. Eggs ovate, measuring 23.2 X 17; 23 X 17; 22.7 X 16.8; 22.8 X 17. Creamy white, heavily spotted especially in a circle about the great end with dark bay and paler opaque spots approaching lavender. Nest on a horizontal limb. Measuring 45 X 90 inside and 260 X 100 outside. Composed of twigs and woolly plant-stalks externally, lined with wool, hair and feathers. One egg broken; embryos large. No. of parent 8051 ♂.

4029 a/3 Piranga hepatica. June 26, 1892. Nest + 3 eggs. Eggs just hatching (portions of shells preserved with the nest). Eggs ovate, measuring 26 X 18; 25.5 X 18.5; 25 X 18.5 mm. Nest in an Arizona cypress in a cañon of the San Luis Mountains, in Chihuahua, Mexico, close to the U.S. line; about 20 feet above the ground; coarsely built of green plant-stems, and lined with grass. The nest measures 70 X 40 inside and 170 X 90 mm outside. Both parents (Nos. 8108 + 8109) taken (see page 29).

4030 B/2 Piranga hepatica. June 29, 1892. Cavalry Pass, San Luis Mountains, on the Mexican Boundary Line. Nest cup-shaped, of green plant-stems + grass, lined with a little finer, dry grass; measuring 65 X 140 outside and 40 X 70 mm inside. Eggs measuring 25 X 18 and 24 X 17.5.

4031 B/2 Chordeiles virginianus henryi. July 3, 1892. San Luis Spring, N. Mex., on the Mexican Boundary Line. Found + given me by Lieut. Gaillard 31 X 21.8; 32 X 22 mm.

4032 0 Contopus richardsonii. Nest just finished June 24th. In a dead ash-tree, 20 ft. above the ground. Measures 60 X 90 mm outside and 35 deep X 50 wide mm inside. Composed of fruiting heads and stems of grass and fibres of inner bark, covered externally with woolly leaves of compositae.

4033 2/2 Zenaidura macroura, San Bernardino Ranch, Arizona. August 5, 1892. Nest on mesquite branch 5 feet above the ground. Quite deeply cup-shaped; composed of fine plant-stems. Eggs ready to hatch, measuring 20x27 and 20x27.5 mm.

4034 2/2 Melopelia leucoptera. Guadalupe Cañon, Chihuahua, Mex. July 28, 1892. Nest on a white live oak (Quercus), 15 feet above the ground. Eggs measuring 29x21.5 and 31.5x21 mm. Nest shallow saucer-shaped, similar to that of a Tanager.

4035 2/2 Contopus richardsoni. East side of San Luis Mts., Chihuahua. June 23, 1892. Nest measures 30 x 50 mm inside and 50x80 outside. Composed of fine shredded bark, fine grasses woolly leaves and stems of compositae, felted and bound with spiders'-webs, with an admixture of feathers, especially in the lining. The eggs are of very unequal size, creamy white, with a wreath of reddish brown and lavender spots around the great end and a few of the reddish brown spots scattered over the rest of the shell. Nest in a small dead ash-tree beside the dry bed of a stream in a canon. Eggs measure 17x14 and 16x13 mm.

4080 3+2 yg. Campylorhynchus brunneicapillus. Chicon Creek, 12 miles East of Spofford Junction, Co. Texas. May 5, 1893. The nest was built in a Spanish dagger 6 feet above the ground. It is a globular mass, about 300 mm in diameter, composed outwardly of grasses and stems of plants, lined with fine grasses, downy plant fibres and feathers. It contained 3 eggs, and two young just hatched. The eggs measure, respectively 24 X 16.8; 24.8 X 16.9; 24.6 X 16.8 mm.

4081 3/3 Agelaius phoeniceus. Las Moras Creek at Fort Clark, Texas. July 5th, 1893. Nest beautifully fashioned and attached to a multitude of slender stems of Equisetums. Nest + 3 eggs preserved.

4082 4/5 Milvulus forficatus. Nest in a small evergreen-oak, on edge of parade-ground at Fort Clark, Kinney County, Texas. Eggs measure 23.7 X 16.9; 24.5 X 17.2; 23.8 X 16.8; 22.8 X 17.2; 23.8 X 16.9 mm. New nest and nest of preceding season preserved. April 29, 1893. Female parent (No. 9179) taken. Nest 20 feet above the ground.

4083 5/5 Icterus spurius. Nest in buttonball on edge of Las Moras Creek, at Fort Clark, Texas, overhanging the water. Parent, 9219, ♀. Eggs fresh. May 16, 1893. (5 eggs) Nest + 5 eggs preserved with ♀ parent.

4084 4 Chondestes gr. Nest, ♀ parent (9180), + 4 eggs preserved. Fort Clark, Texas. April 29, 1893. Eggs measure 19.8 X 16.2; 19.9 X 16.5; 20 X 16.8; 19.8 X 16 mm. Nest in black persimmon (for plant see nest) surrounded by thorns, 3 feet above ground. Female shot as she flew from nest.

4085 4/4 Coccyzus americanus. Female (9238) parent and 4 eggs preserved. Nest a platform of twigs on lower branch of evergreen oak, 6 feet from ground, in a thicket. Nest not preserved. Ft. Clark, Texas. May 20, 1893.

4086 1 Zenaidura macroura. 1 egg. Nest on lower branches of evergreen oak. Fort Clark, Kinney Co., Texas. Egg 26.6 X 20.5.

4087 1 Quiscalus macrourus, 1 egg. Nest in umbrella china tree in yard, officer's row, Fort Clark, Texas. Egg measures 31 X 23 mm

4088 Mimus polyglottos. Ft. Clark, Texas. 5 eggs, measuring 26.8 X 19; 26.6 X 19; 26.8 X 19; 26.5 X 19; 26.5 X 19.1 mm. Nest in frijolea bush 5 feet above the ground. Shown me by Chaplain Potter (the day we got the big watersnake) May 18, 1893

4089 Mimus polyglottos. Ft. Clark, Texas. May 19, 1893. 4 eggs, measuring 25.8 X 19; 25.1 X 18.9; 25 X 19; 24.7 X 19 mm.

4090 Cardinalis c. canicaudus. Nest + 3 eggs. May 15, 1893, Ft. Clark, Texas. Nest in evergreen oak, 10 feet above the ground.

4091 Agelaius phoeniceus. Ft. Clark, Texas, May 17, 1893. Nest 2 eggs (4 in nest, but 2 broken) and both parents (Nos. 9223 + 9224) preserved. Nest in buttonball bush on edge of Las Moras Creek.

4092 Agelaius phoeniceus. Ft. Clark, Texas. May 16, 1893. Nest, 3 eggs, + ♀ parent (No. 9217) preserved. Nest in buttonball bush, overhanging Las Moras Creek.

4093
4094 } Trochilus alexandri: (all three) See Mr. Wheeler's letter to me.
4095 } Collected in Colorado Desert, near B. line, Cal. by Jos. Wheeler.

4096 Phainopepla nitens. Nest + eggs " do

40' 4036 T *Contopus richardsoni*. Nest (egg broken). East side of San Luis Mts., Chihuahua, June 23, 1892. On dry limb over creek

4037 2 *Tyrannus vociferans*. ~~White Water,~~ Chihuahua, ~~Mexico.~~ Nest in an oak-tree, 10 feet from ground. ~~May~~ 27, 1892, Dog Spring, Grant Co., New Mex.

4038 2 *Buteo swainsoni*. Dog Springs, Grant Co., N. Mex. May 25, 1892. Nest in Checkerbarked Juniper (J. pachyphloë), 20 feet above ground.

4039 2 *Buteo swainsoni*. Dog Springs, Grant Co., N. Mex. May 27, 1892. Nest in hackberry 20 ft above ground; near prairie dog village.

4040 2 *Geococcyx californianus*. Dog Springs, Grant County, New Mexico. May 26, 1892.
4 Nest in checkerbarked Juniper beside dry
4 watercourse; 15 feet above ground. Parent dropped from tree & disappeared in bushes as nest was approached.

4041 1 *Contopus richardsoni*. San Luis Mts, Mex Bd. Line. Nest & 1 egg preserved. Nest in dry tree overhanging an arroyo in a cañon on east side of Mt.

4042 3 *Campylorhynchus brunneicapillus*. 3 odd Eggs, given me by Mr. Stephen Barlow. Dog Springs, Grant Co., New Mex. June 6, 1892.

4043 2 ? ? – 2 eggs given me by Mr. Vanornum. June 7, 1892. Dog Springs –

4044 1 *Chordeiles* ?? 1 egg given me
4 by Mr. Van Ornum. June 4, 1892. Dog Spring.

4045 3 *Mimus polyglottos*. Dog Spring, Grant Co. N. Mex. June 6, 1892. Nest in a spiny bush.

4046 3 *Mimus polyglottos*. Dog Spring, Grant Co., N. Mex. June 6, 1892. Nest in a thicket.

4047 4-2 *Amphispiza bilineata*. Dog Spring, Grant Co., N. Mex.
40 June 5, 1892. Nest in a low bush, close to the ground.

40

Mimus
26.8 X 19,
26.6 X 19,
26.8 X 19,
26.5 X 19
26.5 X 19.1

Lunocolus waenamus
31 X 23 mm.

24 X 16.8
24.8 X 16.9
24.6 X 16.8

Milvulus forficatus
23.7 X 16.9
24.5 X 17.2
23.8 X 16.8
22.8 X 17.2
23.8 X 16.9

Mimus polyglottos
25.8 X 19
25.1 X 18.9
25 X 19
24.7 X 19

Chondestes
19.8 X 16.2
19.9 X 16.5
20 X 16.8
19.8 X 16 mm

Cardinalis
26.6 X 20.5

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Sr. Alonso Rosso

(Continued from page 46.)

	No.	Name	Cajon Bonita, Sonora	From San Luis Springs to San Bernardino, through Guadeloupe Cañon, etc.
	1	Podylimbus podiceps		
	2	Larus delawarensis		
	3	Lophodytes cucullatus		An old female seen at San Bernardino. Said to breed commonly at San Bernardino.
	4	Anas boschas		
	5	Anas strepera		
	6	Anas americana		
	7	Anas carolinensis		
	8	Anas discors		
	9	Anas cyanoptera		
	10	Spatula clypeata		
4	11	Dafila acuta		
4.	12	Aythya vallisneria		
	13	Aythya affinis		
	14	Charitonetta albeola		
	15	Erismatura rubida		
	16	Chen hyperborea		
	17	Plegadis guarauna		
	18	Botaurus lentiginosus		Common about San Bernardino
	19	Ardea herodias		
	20	Nycticorax nycticorax naevius		
	21	Fulica americana		
	22	Recurvirostra americana		
	23	Himantopus mexicanus		
4	24	Gallinago delicata		
	25	Macrorhamphus scolopaceus		
	26	Micropalama himantopus		
	27	Tringa minutilla		
	28	Totanus melanoleucus		
	29	Totanus flavipes		
40	30	Symphemia semipalmata inornata		
	31	Numenius longirostris		
	32	Numenius borealis		
	33	Ægialitis vocifera		Found wherever there is water Between Guadeloupe Cañon & San Bernardino, & common at S. Bernardino.
	34	Callipepla squamata		
	35	Cyrtonyx montezumae		
40,	36	Cathartes aura	Abundant.	Abundant.
	37	Circus hudsonius		
	38	Accipiter velox		
	39	Accipiter cooperi		
	40	Buteo borealis calurus	Common	Common; young flying.
	41	Buteo swainsoni		Common.

	N.	No.	Name	Pajon Bonita, Sonora	From San Luis Springs to San Bernardino, through Guadeloupe Cañon, etc.
	1	42	Aquila chrysaëtos	Several seen	One seen near carcass of defunct cow, sitting on ground.
	2	43	Falco mexicanus		
	3	44	Falco peregrinus anatum		
	4	45	Falco columbarius		
	5	46	Falco sparverius deserticolus		
	6	47	Falco fusco-caerulescens		
	7	48	Megascops		
	8	49	Bubo virginianus subarcticus	Breeds; common	Common.
	9	50	Speotyto cunicularia hypogaea		Common in the Animas Valley
	11	51	Geococcyx californianus		Several seen (one shot) in the Guadeloupe Cañon.
	11	52	Ceryle alcyon		
4	1	53	Dryobates scalaris bairdi		Several pairs + families.
4	1	54	Sphyrapicus thyroideus		
	14	55	Colaptes cafer	Several seen.	
	1	56	Phalaenoptilus nuttalli	Common	Common.
	1	57	Myiarchus cinerascens	Very abundant; young abroad	Common.
	1	58	Sayornis saya	One pair.	Several pairs.
	1	59	Otocoris alpestris adusta?		Common on plains.
	1	60	Aphelocoma woodhousei	Several seen.	
	2	61	Corvus cryptoleucus	Several.	Common; young ready to leave nest.
	2	62	Corvus corax sinuatus	One pair, if this species	
	2	63	Molothrus ater obscurus		
	2	64	Agelaius phoeniceus		
	2	65	Sturnella neglecta		Singing sweetly; with young. Common about San Bernardino.
4	2	66	Icterus parisorum	Common in side-cañons.	Guadeloupe Cañon and San Bernardino.
	2	67	Scolecophagus cyanocephalus		
	2	68	Xanthocephalus xanthocephalus		
	2	69	Carpodacus mexicanus frontalis	A few.	In Guadeloupe Cañon.
		70	Pooecetes gramineus confinis		
40	3	71	Ammodramus ~~savannarum perpallidus~~ sandwichensis alaudinus		
		72	Ammodramus savannarum perpallidus		
		73	Zonotrichia intermedia		
		74	Spizella socialis arizonae		
	3	75	Spizella breweri		
		76	Junco hyemalis shufeldti		
40		77	Junco annectens		
		78	Junco caniceps		
		79	Amphispiza bilineata		Common.
		80	Amphispiza belli nevadensis		
		81	Peucaea ruficeps boucardi		
		82	Melospiza fasciata montana		

No.	Name	Cajon Bonita, Sonora	From San Luis Springs to San Bernardino, through the Guadeloupe Cañon, etc.
83	Pipilo maculatus megalonyx		One pair in Guadeloupe Cañon.
84	Pipilo chlorurus		
85	Pipilo fuscus mesoleucus		
86	Cardinalis cardinalis		
87	Pyrrhuloxia sinuata		
88	Calamospiza melanocorys		
89	Chelidon erythrogaster		
90	Tachycineta thalassina		
91	Stelgidopteryx serripennis		
92	Ampelis cedrorum		
93	Lanius ludovicianus excubitorides		Several seen.
94	Dendroica auduboni		
95	Anthus pensilvanicus		
96	Oroscoptes montanus		~~One in Guadeloupe Cañon.~~
97	Harporhynchus crissalis		One in Guadeloupe Cañon.
98	Campylorhynchus brunneicapillus		Nests; common.
99	Salpinctes obsoletus	Several seen	In Guadeloupe Cañon.
100	Thryothorus bewicki bairdi		
101	Cistothorus palustris paludicola		
102	Auriparus flaviceps		
103	Regulus calendula		
104	Polioptila	Several seen in oaks.	Seen in cedars & oaks.
105	Turdus aonalaschkae		
106	Sialia mexicana		
107	Micropus melanoleucus	Common; breeding	Common; breeding.
108	Trochilus alexandri	Common	Common.
109	Asio wilsonianus		
110	Empidonax wrightii		
111	Harporhynchus bendirei		
112	Tyrannus verticalis	Not identified	Not identified
113	Tyrannus vociferans	Abundant; young in nest	Abundant; with young.
114	Trochilus platycercus	not identified	not identified.
115	Contopus borealis		
116	Catherpes mexicanus conspersus	Singing in the cañon.	
117	Guiraca caerulea eurhyncha		
118	Vireo gilvus swainsoni		
119	Tringa maculata		
120	Callipepla gambeli	In flocks; pairs seen with small young. The first seen	Guadeloupe Cañon; common; young just hatched to half grown.
121	Meleagris gallopavo mexicana	Common; 4 shot.	
122	Columba fasciata		
123	Zenaidura macroura	Abundant.	Abundant; breeding.

No.	Name	Cajon Bonita, Sonora	From San Luis Spring to San Bernardino, through Guadeloupe Cañon, etc.
124	Melopelia leucoptera		Abundant in Guadeloupe Cañon.
125	Urubitinga anthracina	One	A pair had their nest in a tall cottonwood; one of the parents shot by "Billy" an Indian Scout, who pulled out its tail.
126	Strix pratincola		
127	Asio accipitrinus		
128	Glaucidium gnoma		
129	Trogon ambiguus		
130	Ceryle cabanisi	A bird was seen flying swiftly up stream between willows which may possibly have been this species.	
131	Dryobates arizonae	Abundant in neighboring foothills. Several families seen with young.	Guadeloupe Cañon.
132	Melanerpes formicivorus aculeatus	Several pairs breeding.	Only in Guadeloupe Cañon. First seen in Guadeloupe Cañon; breeding; also breeding at San Bernardino.
133	Melanerpes uropygialis		
134	Antrostomus vociferus arizonae		
135	Chordeiles virginianus henryi		
136	Chordeiles texensis	Common	Common.
137	Eugenes fulgens		
138	Myiodynastes luteiventris	A pair of adults with young, in dry bushes near stream; actions like Myiarchus cinerascens.	
139	Myiarchus mexicanus magister	Common along stream in willows, and cottonwoods; noisy.	
140	Myiarchus lawrencei olivascens	Common near the stream; actions similar to Empidonax; not seen in high trees, but near the ground.	
141	Sayornis nigricans	Several families near the stream	Feeding young in Guadeloupe Cañon.
142	Contopus richardsonii	Common; breeding.	Common
143	Empidonax hammondi		First seen in Guadeloupe Cañon at a spring. One pair with nest in oak, 25 ft.; young flew from nest.
144	Pyrocephalus rubineus mexicanus		
145	Cyanocitta stelleri macrolopha	One young one seen barely able to fly; others seen were older.	Common in families, in Guadeloupe Cañon.
146	Aphelocoma sieberii arizonae	Abundant; families; noisy.	
147	Sturnella magna mexicana?	First seen in oaks beside the Cajon River	Guadeloupe Cañon and San Bernardino.
148	Icterus cucullatus nelsoni		Spring; drinking and bathing in Guadeloupe Cañon.
149	Spinus psaltria arizonae		
150	Chondestes grammacus strigatus	Hills adjacent to cañon	Hills adjacent to cañon.
151	Zonotrichia leucophrys		
152	Junco cinereus palliatus		
153	Junco cinereus dorsalis		
154	Junco ridgwayi		If rightly identified, one was seen in cottonwood hedge at the San Bernardino Ranch.
155	Pipilo aberti		
156	Habia melanocephala	Common in the cañon.	Guadeloupe Cañon.
157	Piranga ludoviciana	Nest seen in sycamore in the Cañon near the head of right fork	
158	Piranga hepatica	Several pairs in side cañons.	
159	Piranga rubra cooperi	Abundant; shy; breeding.	Two males seen in the cañon.
160	Petrochelidon lunifrons	Breeding; not abundant	About 50 pairs nesting in a cave at side of Guadeloupe Cañon.
161	Vireo solitarius plumbeus		
162	Vireo gilvus swainsonii	Heard, not absolutely identified	Heard & seen, but not positively identified in Guadeloupe Cañon, but not examined.
163	Vireo?	A small species seen & heard.	A small species heard; nest seen.
164	Helminthophila celata		

No.	Name	Cajon Bonita, Sonora	From San Luis Spring to San Bernardino, by way of Guadalupe Cañon.
165	Dendroica æstiva subsp. nov.	Pairs with their young.	
166	Dendroica nigrescens		
167	Seiurus aurocapillus		
168	Geothlypis macgillivrayi		
169	Icteria virens longicauda	Breeding; very common.	
170	Sylvania pusilla pileolata		
171	Setophaga picta		
172	Cardellina rubrifrons		
173	Mimus ~~polyglottos~~	Abundant.	Abundant; one nest; 2 fresh eggs.
174	Harporhynchus longirostris sennetti		
175	Troglodytes aëdon aztecus		
176	Certhia familiaris ?		
177	Parus wollweberi	In families; with young	Guadalupe Cañon.
178	Psaltriparus	In families; with young.	
179	Turdus ustulatus?		
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No.	Name		
1	Podilymbus podiceps		
2	Larus delawarensis		
3	Lophodytes cucullatus		
4	Anas boschas		
5	Anas strepera		
6	Anas americana		
7	Anas carolinensis		
8	Anas discors		
9	Anas cyanoptera		
10	Spatula clypeata		
11	Dafila acuta		
12	Aythya vallisneria		
13	Aythya affinis		
14	Charitonetta albeola		
15	Erismatura rubida		
16	Chen hyperborea		
17	Plegadis guarauna		
18	Botaurus lentiginosus		
19	Ardea herodias		
20	Nycticorax nycticorax naevius		
21	Fulica americana		
22	Recurvirostra americana		
23	Himantopus mexicanus		
24	Gallinago delicata		
25	Macrorhamphus scolopaceus		
26	Micropalama himantopus		
27	Tringa minutilla		
28	Totanus melanoleucus		
29	Totanus flavipes		
30	Symphemia semipalmata inornata		
31	Numenius longirostris		
32	Numenius borealis		
33	Aegialitis vocifera		
34	Callipepla squamata		
35	Cyrtonyx montezumae		
36	Cathartes aura		
37	Circus hudsonius		
38	Accipiter velox		
39	Accipiter cooperi		
40	Buteo borealis calurus		
41	Buteo swainsoni		

No.	& Name.
83	Pipilo maculatus megalonyx
84	Pipilo chlorurus
85	Pipilo fuscus mesoleucus
86	Cardinalis cardinalis
87	Pyrrhuloxia sinuata
88	Calamospiza melanocorys
89	Chelidon erythrogaster
90	Tachycineta thalassina
91	Stelgidopteryx serripennis
92	Ampelis cedrorum
93	Lanius ludovicianus excubitorides
94	Dendroica auduboni
95	Anthus pensilvanicus
96	Oroscoptes montanus
97	Harporhynchus crissalis
98	Campylorhynchus brunneicapillus
99	Salpinctes obsoletus
100	Thryothorus bewicki bairdi
101	Cistothorus palustris paludicola
102	Auriparus flaviceps
103	Regulus calendula
104	Polioptila
105	Turdus aonalaschkae
106	Sialia mexicana
107	Micropus melanoleucus
108	Trochilus alexandri
109	Asio wilsonianus
110	Empidonax wrightii
111	Harporhynchus bendirei
112	Tyrannus verticalis
113	Tyrannus vociferans
114	Trochilus platycercus
115	Contopus borealis
116	Catherpes mexicanus conspersus
117	Guiraca caerulea eurhyncha
118	Vireo gilvus swainsoni
119	Tringa maculata
120	Callipepla gambeli
121	Meleagris gallopavo mexicana
122	Columba fasciata
123	Zenaidura macroura

N	No.	Name
8'	165	Dendroica aestiva subsp. nov.
8'	166	Dendroica nigrescens
8'	167	Seiurus aurocapillus
8'	168	Geothlypis macgillivrayi
8'	169	Icteria virens longicauda
8'	170	Sylvania pusilla pileolata
8'	171	Setophaga picta
9'	172	Cardellina rubrifrons
9'	173	Mimus polyglottos
9'	174	Harporhynchus l. sennetti
9'	175	Troglodytes aëdon aztecus
9'	176	Certhia familiaris
9'	177	Parus wollweberi
9'	178	Psaltriparus
9'	179	Turdus ustulatus?
9'	180	
9'	181	
1'	182	
1'	183	
1'	184	
1'	185	
1'	186	
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1'	198	
1'	199	
1'	200	
1'	201	
1-	202	
1'	203	
1'	204	
1'	205	

228 | 650 | 185 | 87 | 16 | 48 | 29 | Shot by Stephen Barlow

(Record of Specimens of Birds continued from page 68)

No.	1892 June	Name	Sex and Age	Locality								
8077	23	Tyrannus vociferus	♀ ad.	San Francisco Water Canon, East Side of San Luis Mtns, Mex. (about 5 miles S. of the U. S. line)	229	392	128	97	19	20.5	21	
8078	24	Cyrtonyx montezumae mearnsi	♀ ad.	do	229	420	128	64	14	27	37	
8079	24	Columba fasciata	♀ ad.	do	365	600	203	142	19	26	38	
8080	24	" "	♂ ad.	do	383	640	223	157	19	29	44	
8081	24	Piranga hepatica	♂ ad.	do	227	343	108	95	20	25	24	
8082	24	" "	♂ ad.	do	218	335	106	89	19	23	22	
8083	24	Thryothorus b. bairdi	♂ juv.	do	Not measured							Young still with parents.
8084	24	" "	♀ juv.	do	do							do
8085	24	Icterus parisorum	♂ im.	do	213	320	104	91	22	24	24	Sex positively masculine.
8086	24	Habia melanocephala	♂ ad.	do	206	319	102	80	19	23	23	
8087	24	" "	♀ ad.	do	205	320	102	87	20	25	24.5	
8088	24	Trochilus platycercus?	♂ ad.	do	102	124	50	~~19~~ 31.5	19			Breeding.
8089	24	Polioptila caerulea	♀ ad.	do	119	163	51	56	10.	17	—	~~Leading a family of young~~ Laying.
8090	24	Pipilo chlorurus	♀ ad.	do	184	248	78	87	14.5	23.5	23.5	
8091	24	Piranga hepatica	♂ ad.	do	210	326	102	88	18.5	22.	22.5	} A pair.
8092	24	" "	♀ ad.	do	210	320	103	86	19.	22.5	22	}
8093	24	Buteo borealis calurus	♀ ad.	do	555	1370	425	237	30	90.	68	
8094	24	Accipiter cooperi	♂ ad.	do	412	770	239	203	15	62	47	Iris red.
8095	25	Colaptes cafer	♂ ad.	do	310	500	163	132	37	28	31	
8096	25	Molothrus ater obscurus	♂ ad.	do	182	311	102	74	16	23.5	23	
8097	25	Habia melanocephala	♀ ad.	do	203	313	100	83	20	23	23.5	
8098	25	Cyrtonyx montezumae	♂ ad.	do	227	420	126	67	15	31	37	
8099	25	~~Eugenes fulgens~~ Coeligena clemenciae ?	♂ ad.	do	135	185	74	50	23	6	9	
8100	25	Melanerpes f. aculeatus	♂ ad.	do	225	430	135	79	23	21	25	Iris white.
8101	25	" " "	♂ ad.	do	230	440	143	80	25	21.5	25	" "
8102	25	" "	♀ ad.	do	224	435	140	77	24	20.5	24	" "
8103	25	Dryobates arizonae	♂ juv.	do	Not measured; 1st plumage.							Young still with parents.
8104	25	Mimus polyglottos	♂ ad.	do	260	355	112	128	19	32.5	27.5	} A mated pair. Iris yellowish in both. Breeding.
8105	25	" "	♀ ad.	do	260	367	106	125	17	33	28.	}
8106	25	Pipilo maculatus megalonyx	♀ ad.	do	222	268	82	110	14	26	25.5	Iris light red.
8107	25	Chordeiles	♂ ad.	do	231	567	196	113	5.	15.	19.	
8108	26	Piranga hepatica	♂ ad.	do	209	326	109	88	20.5	22.5	23.	} A mated pair with nest + 3 eggs, the latter just hatching; see description on page 105 234
8109	26	" "	♀ ad.	do	216	326	101	93	21.	25	24	}
8110	26	Dryobates arizonensis	♂ ad.	do	213	380	120	80	26	20	22.5	
8111	26	~~Eugenes fulgens~~ Coeligena clemenciae ?	♀ ad.	do	131	175	69	45	26	6.	9.	
8112	26	Spinus psaltria arizonae.	♂ ad.	do	116	207	65	46	10.4	11.5	14	With a small flock.
8113	26	Dryobates arizonae	♀ ad.	do	196	370	114	72	24.	19.	21	Iris hazel.
8114	26	Accipiter velox	♂ ad.	do	305	610	193	154	15.	51.	39	Stomach contained copious remains of small birds.
8115	26	Eugenes fulgens	♀ ad.	do	138	170	70	41	30	5.	9.	Sex carefully determined.
8116	26	Icterus parisorum	♀ ad.	do	Not measured.							Singing as loudly + sweetly as her mate.
8117	26	Habia melanocephala	♂ im.	~~White Water, Chihuahua, Mex.~~ do	209	320	104	85	20	22	24.	
8118	26	Dryobates arizonae	♂ juv.	do	Not measured.							Young recently from nest.
8119	26	Speotyto c. hypogaea.	♂ ad.	White Water, Chihuahua, Mex.	228	630	183	89	16	48	29	Shot by Stephen Barlow

	No.	1892 June	Name	Sex and Age	Locality	Length	Alar expanse	Wing	Tail	Culmen	Tarsus	Middle toe & claw	Remarks.
N:	√8120	29	Sturnella mexicana ??	♂ ad.	Mexican Boundary Line near San Luis Spring, N. Mex.	246	393	118	73	33,	40,	36,	Plumage extremely worn. No yellow on cheeks.
=	√8121	30	Bubo virginianus subarcticus	♀ ad.	do	560.	1400	393.	242,	31.	62.	79.	Iris yellow. Stomach crammed full of very large beetles.
8,	√8122.	July 1.	~~Buteo~~ Piranga cooperi	♂ ad.	Cajon Bonito Mexico	212	328	104.	85	20,	24	21.	
8,	√8123	4.	Buteo abbreviatus	♂ ad.	do	493.	1280	398	219.	22,	72,	61,	
8,	√8124	3,	Urubitinga?	♂ juv.	do	535	1225	367	233.	26	90.	62.	Iris hazel cere & base of maxilla yellow.
8,	√8125	3	Contopus richardsonii	♂ ad.	do	163	271	92	72	14	13.5	13.5	
8,	√8126	4	Piranga cooperi	♀ ad.	do	204	322	105	85	19,	19,5.	20,5.	
8,	√8127	4	Aphelocoma sieberi arizonae	♂ im.	do	not measured. Young of the year.							
8,	√8128	3	Piranga cooperi	♂ ad.	do	207	307	100	85	19,5	19,	20,5	
9,	√8129	3	" "	♂ ad.	do	213	329	104	86	19.	20,5.	22.	
9,	√8130.	3	Dryobates arizonae	? juv.	do	Not measured; young of the year.							
9,	√8131	3	Myiodynastes luteiventris (Sulphur-bellied flycatcher)	♀ ad.	do	230	376,	117	90.	22	20.	21.	
9,	√8132	3	Myiarchus mex. magister	♀ ad.	do	245	356	110.	102	23.	25.	23.	
9,	√8133	3	" " "	♂ ad.	do	254	367	116	110,	22,	23,5	24,5.	
9,	√8134	3	Myiarchus cinerascens	♀ ad.	do	212	310.	95	91.	19,	22	18.	
9,	√8135	3	" "	♂ ad.	do	221	325	101	98	19.	22,	18,	
9,	√8136	3	" "	♂ ad.	do	218	324	101	99	20.	22,5	18.	
9,	√8137	3	Myiarchus lawrencei olivascens	♂ ad.	do	189,	270.	84	82.	18,7	19.	16,5	
9,	√8138	3	" " "	♂ ad.	Tag "1836" do	185	270.	83.	81.	18,5.	19.	16.	
10,	√8139	3	Tyrannus vociferans	♂ ad.	do	232	403	128.	96.	21,5	20,	22,5	
10,	√8140	3	Dendroica aestiva subsp. nov.	? juv.	do	Not measured; 1st plumage.							
10,	√8141	3	" " " "	♂ ad.	do	133.	203.	65,	57,	11.	19.	15.	
10,	√8142	3	Petrochelidon lunifrons	♂ ad.	do	142,	290.	103,	51.	8	12,5	16,5.	
10,	√8143	3	Sayornis nigricans	♀ juv.	do	Not measured; 1st plumage							
10,	√8144.	3	"	♂ juv.	do	do				do			
10,	√8145	3	Icteria virens longicauda ~~olivascens~~	♀ ad.	do	184	240.	76.	79,	15.	25.	20,	
10,	√8146	2	Meleagris gallopavo mexicana	♂ ad.	do	1260	1700	540	460	38	170	120	Weight about 20 lbs. Skin preserved.
10,	√8147	2	" " "	♀ ad.	do	1000	1340	420	340	32	137	95	Weight about 10 lbs; 1 leg preserved.
10,	√8148	2	" " "	♀ ad.	do	990	1310	415	340	32	133	93	" " 10 " ; 1 leg "
11,	√8149	2	" " "	♀ ad.	do	965	1300	410	340	33	129	92	" " " ; " ; entire skin preserved.
11,	√8150	2	Myiarchus lawrencii ~~cinerascens~~ olivascens	♀ ad.	do	177	252	78	77	17	19	16.5	
11,	√8151	2	Callipepla gambeli	♂ ad.	do	276	372	120	108	11	29	35	
11,	√8152	2	" "	♀ ad.	do	281	379	119	108	11	29	35	
11,	√8153	2	" "	♀ ad.	do	268	~~368~~	~~111~~	98	11	31	36	
11,	√8154	5	Antrostomus v. arizonensis	♀ ad.	San Luis Mtns, N. Mex	250.	482	168	~~130~~ 138	[illegible]	18	22	
11,	X8155	5	Columba fasciata	♂ ad.	do	382	640	217	148	18,	27	39,	
11,	8156	5	Cyanocitta stelleri macrolopha	♂ ad.	do	318	467	146	144,	29,	44	34	
11,	√8157	5	Vireo plumbeus	? juv.	do	151	260,	85.	63,	11	20,5	18	
11,	√8158	5	Certhia mexicana		do	~~++~~							
12,	√8159	5	Dendroica nigrescens		do	127	205.	68	56	10,5	18.	14.	
12,	√8160	5	Setophaga picta	ad.	do	140	212	71	66,	9.	16,5	15,5	
12,	√8161	5	" "	juv.	do								
12,	√8162	5	Sialia mexicana	♂ juv.	do								

	No.	1892 July	Name	Sex and Age	Locality							Middle toe	Remarks
N	8163	5	Myiarchus cinerascens	♂ juv.	San Luis Mts, Mex. Bd. L.								Young taken from nest.
=	8164	7	Callipepla gambelii	♂ ad.	do.	285	388	123	120	12	29	38	
8,	8165	7	~~Ast~~ Urubitinga anthracina	♂ ad.	do	480	1270	410	238	33	69	61	Iris hazel - base of bill lemon, feet yellow,
8,	8166	7	Aphelocoma sieberii arizonae	♀ ad.	do	310	495	165	153	30	46	35	
8,	8167	7	" " "	♂ juv.	do	Not measured							
8,	8168	7		♂ juv.	do	do							
8,	8169	7	Melanerpes f. aculeatus ~~Dryobates~~	♀ ad.	do	215	420	137	80	23	22	23	
8,	8170	7	Pyrocephalus rubineus	♂ ad.		150	258	82.	60.	13.	16,5	15.	
8,	8171	7	" "	♀ ad.		150	260.	81	62.	12,	16	15.	
9,	8172	7	Geococcyx californianus	♂ ad.	Guadeloupe Canon, Arizona	580	540	178	310	54	65.	43.	
9,	8173	7	Aphelocoma sieberii arizonae	♀ ad.	" "	worn plumage							
9,	8174	7	Melopelia leucoptera	♂ ad.	Guadeloupe Cañon, N. Mex.	305	506	165	120	22	25	32	
9,	8175	7	" "	♂ ad.	" " "	321	512	173	128	22	25	32	
9,	8176	7	" "	♂ ad.	" " " "	317	500	167	124	22,5	25	32,	
9,	8177	7	" "	♀ ad.	" " " "	305	512	168	120	23	25	33	
9,	8178	7	" "	♀ ad.	" " " "	311	500.	170	125	21	24	30.	
9,	8179	7	" "	♀ ad.	" " " "	306	498	163	120.	24.	26	32	
9,	8180	14	Numenius longirostris	♀ ad.	Cloverdale, Animas Valley, N.M.	600	1020	292	120	70	83	47	Length to end of claws, 695. Stomach filled with beetles, grasshoppers & bones of lizards.
9,	8181	18	Trochilus alexandri	♀ ad.	" " " "	103	122	49	29	20	—	—	Shot in an oak woods.
10,	8182	18	Dendroica nigrescens	♂ juv.	" " " "	Not measured.							do
10	8183	18	" "	♂ juv.	" " " "	"		"					do
10,	8184	19	Columba fasciata	♀ ad.	San Luis Mountain, Mex. Bd. Line	356	610	203	136	16	25	37	Iris wine color. Eyelid vermilion; space around eye purplish blue. Bill yellow, tipped with black. Feet light yellow. Claws black.
10,	8185	19	Cyanocitta s. macrolopha	♂ ad.	do	318	456	150	145	29	42	34	
10,	8186	19	" " "	♀ ad.	do	315	468	150	146	28	42	33	
10,	8187	19	" " "	♀ ad.	do	315	456	148	147	28	42	34	
10	8188	19	" " "	♂ ad.	do	315	463	150	144	30	43	33	
10,	8189	19	Habia melanocephala	♂ ad.	do	211	330 ~~270~~	105	83	19	23.5	24	
10	8190	19	Pipilo m. megalonyx	♀ ad.	do	213	270	86	109	15	26	27	Iris red.
10	8191	19	Junco cinereus palliatus	♀ ad.	do	165	244	78	75	12.2	21	21	Iris bright yellow. Maxilla purplish black; mandible yellowish; tarsus flesh-color; feet fleshy brown.
11	8192	19	Parus meridionalis	♀ juv.	do	130	203	67	62	10.	17	15.	Iris hazel; bill black; feet plumbeous
11	8193	19	" "	♀ juv.	do	133	204	66	61	10	17	15	Iris hazel; bill black; feet plumbeous.
11	8194	19	" "	♂	do	135	204	67	62	9.5	17	14.5	do
11	8195	19	" "	♂	do	135	208	67	62	10	18	15	do
11	8196	19	~~Trochilus~~ Eugenes fulgens	♂ ad.	do	145	188	77	45	28	5.5	10.	Iris hazel. Bill & feet black
11	8197	19	Dryobates arizonae	♀ ad.	do	193	369	116	67	24	20.5	20.5	Iris light brown. Bill & feet black.
11	8198	19	Psaltriparus (bl'k-eared)	♂ ad.	do	115	155	51	58	8	17	12	Iris brown. Bill & feet black.
11	8199	19	Psaltriparus	♂	do	115	160	51	57	7	16.5	12.5	Iris yellow. Bill & feet black
11	8200	19	"	♀ ad.	do	116	156	51	60	7.	16	12	
11	8201	19	"	♂ ad.	do	Head & foot preserved.							
12	8202	19	Dendroica nigrescens	♀	do								
12	8203	19	" "	♂	do								
12	8204	19	Certhia mexicana	♀ ad.	do	133	188	62	61	15	12.5	15.5	Iris grayish brown. Bill black, with basal half of mandible flesh-color. Feet & claws grayish brown
1	8205	20	Ardea herodias	♂ juv.	San Luis Springs								

July ~~San Luis Mts. (W. side).~~

No.	Date	Species	Sex/age	Locality								Remarks
8206	21	Meleagris g. mexicana	♂ ad.	San Luis Mountains, near Cajon Cr.	1200	1630	570	430	32	160	114	Foot, only, preserved, to show spur. } From one flock of five males.
8207	21	" "	♂ ad.	do	1200	1730	525	430	38	170	118	do
8208	21	" "	♂ ad.	do	1190	1710	520	440	37	160	116	Wing only preserved.
8209	21	" "	♂ ad.	do	1210	1720.	525	450	39	170	120.	Not preserved. Weight 25 lbs.
8210	23	Tachycineta thalassina	♂ ad.	"Cajon Bonita" Creek, Chihuahua	Not measured; molting & worn.							
8211	11	Coeligena clemenciae ~~Eugenes fulgens~~	♂ ad.	W. side San Luis Mountains.	137	192	80	50	24	5.	9.	
8212.	11	Meleagris g. mexicana	♀ ad.	do	1000	1440	440	370	22	129	95	Weight about 12 lbs., [illegible].
8213	12	Coeligena clemenciae ~~Eugenes fulgens~~	♂ ad.	do	130	190	79	45	23	5.	9.	
8214	12	Setophaga picta	♂ ad.	do	136	210	75	69	9.5	17	16.	
8215	12	Aphelocoma sieberii arizonae	♀	do	320	480	159	145	29	39	32	
8216	12		♂ ad.	do	317	475	162	156	13	22.5	26.5	
8217	12	Callipepla gambeli	♂ ad.	do	278	368	119	112	11.	30.	34	
8218	12	Pipilo maculatus megalonyx	♂ ad.	do	217	285	92	114	14.	27.	27.	Iris red.
8219	12	Falco sparverius deserticolus	♀ juv.	do	Not measured.							
8220	12	Chondestes g. strigata	♂ ad.	do	178	288	94	77	14.	21.	20.	
8221	12	Thryothorus b. bairdi	♀ ad.	do	140	182	59	60	14	17.5	16.	
8222.	12	Coeligena clemenciae ~~Eugenes fulgens~~	♀ ad.	do	134	181	73	45	24	6.	8.	
8223	June 25	Catharus mex. consobrinus?	?	E. Side of San Luis Mountains	Not measured.							
8224	July 12	Antrostomus v. macromystax ~~arizonae~~	♂ ad.	W. side of San Louis Mts.	260	480	165	131	8	17.	22	Iris very dark brown. {For change of name see Auk Vol. X, p. 68.
8225	12	Dendroica nigrescens	♂ juv.	do	Not measured							} Parent & progeny.
8226	12	" "	♀ ad.	do	128	192	63	54	10	17	13.5	
8227	12	Setophaga picta	♀ juv.	do								
8228	12	Trochilus alexandri	♀ ad.	do	105	123	50	31	21	—	—	
8229	13	Piranga hepatica	♀ ad.	do	210	312	102	85	18	24	23	} a pair; mated.
8230	13	" "	♂ ad.	do	218	328	105	91	19	24	23	
8231	13	Antrostomus v. macromystax (Wagl.) Hartert ~~arizonae~~	♀ ad.	do	245	477	172	125	8.	16.	21	For change of name see Auk, Vol. X, p. 68.
8232	13	Myiarchus l. olivascens	♀ ad.	do	180	250	80	78	16.	18.5	13.	
8233	13	Certhia f. mexicana	♀ –	do	135	183	61	67	12.	15.	14	
8234	13	Scops asio trichopsis?	♀ ad	do	198	505	160	81	11.	23	27.	"Iris yellow; centre of pupil very large and dark brown"
8235	13	" " " "	♂ ad.	do	200	515	160	80	13.	28	28.	
8236	13	" " " "	♂ juv.	do								
8237 +	13	" " " "	♂ juv.	do								
8238	13	Accipiter cooperi	? juv.	do	Nest in an Arizona Cypress tree. Not measured. Stomach contained "Callipepla gambeli and lizards."							
8239	14	Habia melanocephala	♀ ad.	do	205.	325	105	88	20.5	27	25	
8240	14	Spinus psaltria (arizonae?)	♂ ad.	do	112	175	62	44	9.	14.	14	
8241	15	Meleagris g. mexicana	♂ ad.	do	1225	1990	540	410	31	169	111	"Iris hazel. Feet reddish"
8242	15	Aphelocoma sieberii arizonae	♀ ad.	do	324	505	165	155	29	38	32	
8243	17	[illegible]	♂ ad.	do	180	263	82	85	19	18	15	
8244	17	Dendroica nigrescens	"♂ ad." (probably quite young)	do	123	190	62	55	9.	18	13	
8245	17	Certhia f. mexicana	♀ juv.	do	Not measured					Y. X.	H.	
8246	17	Setophaga picta	♂ juv.	do	do							Red feathers just appearing below.
8247	18	Dryobates arizonae	♀ ad.	do	229	435	145	82	25.	21.5	21.5	
8248	18	Aphelocoma sieberii arizonae	♂ ad.	do	330 / 335	530	175	156	35	45	35	

	No.	July	Name	Sex and age	Locality	Length	Alar expanse	Wing	Tail	Culmen	Tarsus	Mid. toe & claw	Remarks.
N. 39	√8249	18	Columba fasciata	♀ ad.	W. side San Luis Mts.	365	630	205	142	18	25.5	37	"One pure white egg, ready to be laid."
=	√8250	19	Aphelocoma sieberii arizonae	♂ juv.	do	Not	measured.						
8 41	√8251	19	Columba fasciata	♀ ad.	do	95	111	47	28	19	—	—	
8	√8252	20	~~Trochil~~ Stellula calliope	♂ juv.	do	X 370	640	212	152	16	27.	37.	
8 43	√8253	20	Columba fasciata	♀ ad.	do	375	620	215	149	16	26.	39.	
8	√8254	20	"	♀ ad.	do	368	640	210	146	17	27	39.5	
8	√8255	20	Aphelocoma sieberii arizonae	♀ ad.	do	330	495	165	151	27	43	35	
8	√8256	20	Peucaea ruficeps boucardi	♂ ad.	do	164	210	67	78	12	23	19.	Caught in cyclone trap near top of Mt.
8	√8257	23	Eugenes fulgens	♀ ad.	do	140	173	72	43	30	7.	10.	
9	√8258	28	Piranga rubra cooperi	♂ ad.	Big Spring, Guadaloupe Cañon, N.M.	210	320.	108.	85.	20,5.	20.	21.	
9	8259	28	Pyrocephalus rub. mexicanus	♂ ad.	do	155.	263	82	62.	12,3.	16.	15.	Iris hazel.
9	√8260	28	Phainopepla nitens	♀ juv.	do								
9	√8261	28	Pipilo fuscus mesoleucus	♀ juv.	Guadeloupe Cañon, Sonora								
9	√8262	28	Callipepla gambeli	♂ ad.	" " , Arizona	273.	373.	116.	100.	11.	32,5	36.	parent of 2 young below.
9	√8263	28	" "	— juv.	" " "								" " " "
9	√8264	28	" "	— juv.	" " "								
9	√8265	30	Fulica americana	♂ ad.	San Bernardino Ranch, Arizona	360	612	177	60	33	52	75.	
9	√8266.	30	" "	♀ ad.	do	365	635	185	61	33	52	76.	
1	√8267	31	Bubo virginianus subarcticus	♂ ad.	do	Not	measured						Molting.
1	√8268	31	Buteo swainsoni	♂ juv.	do		do						Just from nest.
1	√8269 ×	31	Phalaropus tricolor	♀	do		do						
1	√8270 ×	31	Centurus uropygialis	♀ ad.	do		do						Molting.
1	√8271	31	Dryobates scalaris bairdi	♂ ad.	do		do						Just completing molt.
1	√8272	31	Nycticorax nycticorax naevius	♀ ad.	do		do						Shot with rifle.
1	√8273	31	" " "	♀ juv.	do		do						do
1	√8274	31	Actitis macularia	♂ juv.	do		do						
1	√8275	31	Polioptila melanura (crown black)	♂ ad.	do	116	156	48	57	9.5	17	12.7	} Killed same shot, in mesquites. The first seen.
1	√8276	31	" " (crown plain).	♀ ad.	do	116.	147	46	55	9.	17	12.5	} A mated pair. Sexual organs enlarged. ♀ crown plain
1	√8277	August 1	Callipepla squamata	♂ ad.	do	270	390	121	93	12.	31	35	Was calling on mesquite-top, uttering a loud cry occasionally
1	√8278	1	Stelgidopteryx serripennis	(♂?) ad.	do	135	297	104	52.	7.	11.	16.	Iris hazel. B[illegible] & feet black.
1	√8279	2	Tachycineta bicolor!	♂ ad.	do	145	330	130	64	6	12	15	
1	√8280	2	Totanus flavipes.	♀ im.	do	269	500	164	68	38	57	35	From end of tibia 155.
1	√8281	2	" "	♀ ad.	do	270	520	169	68	38	55	37	
1	√8282	2.	Anas americana	♀ ad.	do	245	about 745	235	97	×	36	50	
	√8283	3	Parabuteo unicinctus harrisii	♀ ad.	do	580	1250	375	275.	28,5	93	70.	Iris hazel brown, [illegible] & Tarsus lemon yellow. Bill basal bluish gray changing to blue black. Feet lemon yellow. Claws blue black.
	√8284	3	Sturnella mexicana?	♂ ad.	do	259.	405.	125.	75.	33.	41.	37.	
	√8285	3	Dendroica aestiva subsp. nov.	♂ juv.	do	~~182~~	~~292~~	~~91~~	~~74~~	~~15.~~	~~23,5~~	~~23~~	Iris hazel, Bill with maxilla & ext. tip of mandible dusky brown, rest of mandible [illegible], grayish blue, feet brown. Claws blackish.
	√8286	3	Calamospiza melanocorys	♂ ad.	do	182	292	91	74	15	23,5	23	
	√8287	3	Chondestes gr. strigatus	♂ ad.	do	173	283	90	72.	12	20	20.5	
	√8288	3	Phalaropus tricolor	♂ ad.	do	223	411	125.	54.	31.	35.	30,5.	
	√8289	3	" "	♀ ad.	do	241	436	136	58	34.	36	31.	Iris dark brown, bill black, feet yellowish
	√8290	3	" "	♂ ad.	do	221	400.	128	54	30,5.	30,5	29.	orange green, [illegible] on toes
	√8291	3	" "	♂	do	220	403.	125.	55.	29.	33	28,5.	claws black
						171	157	73	56,5	13	22,5	24	

No.	August	Name	Sex and Age	Locality	Length	Alar expanse	Wing	Tail	Bill	Tarsus	M. & C.	Remarks.
18292	3	Tringa minutilla	♀ ad.	San Barnadino Ranch, Arizona.	152	289	86	39.	19.	20,5.	20,5.	
18293	3	Tringa bairdii	2	do	193	391	132.	53.	23.	23	22.	
18294	3	" "	2	do	158	386.	125.	54	21	24	22.	
18295	3	" "	♀	do	191.	384	125.	54.	24	23.	21,5.	
18296	3	" "	♀ ad.	do	196	395	130.	56.	25,5.	24,5	22.	
8297	3	" "	♂ ad.	do	193	399	132	58	24	24	22.	
8298	3	Pyrocephalus rubineus mexicanus	♂ juv	do	Not measured							
8299	4	Sturnella mexicana	♂ ad.	do	244.	397	119	72	31.	40.	35.	
8300	4	" "	♀ ad.	do.	229.	370.	112.	70.	30.	37.	34,	
8301	4.	Falco. sp. desertícolus.	♀ ad.	do	251	550.	181	125.	12,5.	35.	33,	
8302	4	Chondestes gr. strigatus	♂ ad.	do	173	287	92	74	13,5.	21,5	21.	
8304	4	" " "	♂ ad.	do.	176	284	91	73	13,5.	21,2	21,2	
8305	4	" " "	♂ ad.	do.	177	293	93	77	13	21,2	21,6	
8306	4	Dendroica aestiva subsp. nov.	♀ ad.	do.	126	194.	62.	48	9,6,	18,5	15.	
8307	4	~~Spiza~~ (Passerina) amoena	♀ ad.	do.	143	224.	73.	60.	10.	16,5.	18,	
8303	6.	Sayornis sayii	♂ juv.	do	not measured.							
8308	6	Peucaea cassinii	♂ ad.	do.	154.	208.	67.	70.	12.	20.	19.	Bill dusky, bluish horn color on mandible & sides of maxilla, feet flesh brown.
8309	6.	Tantalus loculator	♂ ad	do	915	1750	485	180	21.5	202	125	Bill horn-color.
8310	9	Spiza amoena	♂ ad	do	146	230.	74.	61.	10.	15.	17,5.	
8311	9	" "	♂ ad	do	146	231	72.	62.	11.	17.	18.	
8312	12.	Porzana carolina	♂ juv	do	not measured							
8313	12	" "	♀ ad.	do.	113.	347.	104.	52.	22,	32.	41,5,	
8314	12.	Hydrochelidon nigra surinamensis	♂ ad.	do	264.	620.	216.	87.	28.	17.	24.	
8315	13	Symphemia semipalmata inornata	♂? ad.	do	396.	730	219.	90.	61	68.	41,	
8316	13	Totanus solitarius	♂ ad.	do	226.	430.	140.	60.	31	33.	29,	
8317	13	" "	2	do	220.	424.	135.	58	28,5.	32	29,	
8318	13	Melospiza f. fallax.	♂ juv.	do								
8319	13	Geothlypis tr. occidentalis	♂ juv	do								
8320	13	Amphispiza bilineata	♀ ad.	do	146.	206.	63.	65.	11.	18.	18.	
8321	13	~~Spiza~~ (Passerina) amoena	♀	do	146	226.	71.	58.	9,8.	18.	18.	
8322	13	Anas cyanoptera	♀ ad.	do	410.	650.	195.	80.	46.	33.	45.	
8323	13	Phalaropus tricolor	♂	do	219	395	124	52	30	32	28	
8324	13	" "	♂	do	219,	397.	125	53.	31.	33,5.	29,	
8325	13	" "	♂	do	225.	400.	124	51.	31.5	34	29	
8326	13	" "	♂	do	226.	405.	128.	56.	31.	33.	29,	
8327	13	Tyrannus verticalis	? juv.	do								
8328	13	Sayornis nigricans	♀ juv	do								
8329	13	Callipepla gambeli	♂ juv.	do								
8330	13	Nyctiardea n. naevia	♂ juv.	do								Iris red.
8331	14	Sturnella	♂ juv	do								
8332	14	Calamospiza melanocorys	♂ ad.	do	240	410	128	75	33	42	36	
8333	14	~~Spiza amoena~~	♂ ad.	do	179	285	88	71	14	25	24	
[illegible]		" "			171	357	73	56,5	13	22,5	24	

No.	Aug.	Name	Sex and age	Locality	Length	Alar Expanse	Wing	Tail	Culmen	Tarsus	Middle toe and claw	
8334	14	Leucaea cassini	♂ ad.	San Bernardino Ranch, Arizona	60	215	66	68	13	20	18,5	
8335	14	~~Spiza~~ Passerina amoena	♂ ad.	do	49	235	75	62	9,8	17.	18,5.	
8336	14	" "	♂ ad.	do	46	235	73.	59.	11	17.	18,5.	Crop contained Lepus arizonae. Stomach
8337	15	Buteo borealis calurus.	♀ ad.	do	50	1280	420	235.	27	87	64.	Iris hazel (filled with hair & bones.
8338	15	Chordeiles texensis	♂ juv.	do								
8339	15	Melanerpes uropygialis	♀ ad.	do								
8340	15	Contopus borealis	♀ ad.	do	94	329.	109	78.	17	15.	17	
8341	15	Aegialitis vocifera	♂ ad.	do	263.	526	172	103.	18	37	25.	
8342	15	Tringa bairdii	♂	do	193	383	127	58	22	22,5	22	
8343	15	" "	♂	do	186	383	127	52	22	23	21,2	
8344	15	" "	♀	do	196	394	129	57	24,7	24	22,5	
8345	15	Tringa minutilla	♂ ad.	do	156	394	92	45	18	20	20	
8346	15	" "	♀ ad.	do	158	302.	94	45	20	20	20,5	
8347	15	" "	♀ ad.	do	50	287	91	43,5	19	19.	19,2	
8348	15	Actitis macularia	♀ juv.	do								Young of the year.
8349	15	Totanus solitarius	♀ ad.	do	236	448	147	65.	31.	34.	30.	
8350	15	Phalaropus tricolor	♂ ad.	do	220	395.	122	51	30.	33.	29.	
8351	15	" "	♂	do	23	410	128	57	33.	33	29.	
8352	15	" "	♀	do	40	437	138	59	35.	35.	30.	
8353	15	" "	♂	do	219	392	124	53.	30,5.	33.	28.	
8354	15	" "	♀	do	224	409.	128.	53.	32.	33	30.	
8355	16	Calamospiza melanocorys	♂	do	not measured							
8356	16	" "	♂	do		do						
8357	16	" "	♀	do		do						
8358	18	Totanus flavipes	♀	do	265	503	162	70	36,5	53	32.	
8359	18	" "	♂	do	61	494	159	69	33	48	33.	
8360	18	" "	♀	do	65,	520	167.	64.	36,5	52	33.	
8361	18	Totanus solitarius	♂	do	22	425.	138.	59.	31	34.	28.	
8362	18	" "	♂	do	30	446	143.	60.	31,5.	35	30.	
8363	18	" "	♂	do	33	436	142	64	31	35	30,5	
8364	18	~~Spiza~~ Passerina amoena	♂ ad.	do	3	230	72.	55	10,3.	17	18.	
8365	18	" "	♀ ad.	do	2	223	71	57	11	16,5	17,5	
8366	18	" "	♀ juv.	do								
8367	18	Xanthocephalus xanthocephalus	♂ juv.	do								
8368	18	Leucaea cassini	♀ ad.	do		208	61	68.	12,5	20.	19.	
8369	18	Tringa minutilla	♀	do		296	95	46	18	18	18,3	
8370	18	" "	♂	do		292	92	43	18,5	19,5	21.	
8371	18	" "	♀?	do		297	93	45	19	20	18,7	
8372	18	" "		do		295	92	45	18,5.	19.	20.	
8373	18	" "	♀	do		297	91	41	18.	19,5	21	
8374	18	Sturnella	♂ ad.	do	3	400	124	75	34.	38.	33.	
8375	18	Euspiza americana	♀	do		257	73	56,5	13	22,5	24	

No.	Aug.	Species	Sex	Locality								Remarks
8376	18	Phalaropus tricolor	♂ ad.	San Bernardino Ranch, Ariz	222.	406	127	55.	30	33,5	27.	
8377	18	Pyrocephalus r. mexicanus	? juv.	do								
8378	18	Clivicola riparia	♂ ad.	do								
8379	18	Tachycineta thalassina	? juv.	do								
8380	18	Tyrannus verticalis	♂ ad.	do	230.	415	135	99.	20	19	29,5.	
8381	18	Sylvania pusilla	♂ ad.	do	131	179	59	54	8,8	18,8	14	
8382	18	Geothlypis macgillivrayi	♀	do	138	187	59	56	10,4	20,6	17	
8383	18		♀	do	140	190	60	56.	10.	21	17.	
8384	19	Totanus flavipes ~~[illegible]~~	♂ ad.	do	269	508	166.	69	34.	50.	32,5.	
8385	19	Lanius ludov. excubitorides	♀ ad.	do	Molting; no tail; not measured.							
8386	19	Totanus flavipes	♂	do	259.	490.	154	65	36.	52.	34.	
8387	19	Actitis macularia	♀ juv.	do	~~269.~~	~~508~~	~~166.~~	~~not measured~~	~~34.~~	~~50.~~	~~32,5.~~	Not measured.
8388	19	Phalaropus tricolor	♂	do	218	398	123.	53.	29.	31	28	
8389	19	" "	♀	do	237	437	137	56	32,5.	34	29.	
8390	19	" "	♂	do	228	410	127	56.	32,3.	33.	30.	
8391	19	Tachycineta	? juv.	do								
8392	19	Falco peregrinus anatum (Stomach contained T. flavipes.)	♀ juv.	do	500	1113	358	205.	23.	55.	74.	Cere, rictus and [illegible] space around eye bluish. Bill bluish base, deepening to black. Iris very dark brown; feet greenish-ye[llow]
8393	20.	~~Buteo~~ Accipiter cooperi	♀ juv.	do	470	845	260	247	18.	68	60.	Stomach empty. Killed in the act of killing a dove.
8394	20	Calamospiza ~~melanocorys~~	♂ ad.	do	177	293	91	72	14	25	22,5	Iris hazel.
8395	20.	"	♀ ad.	do	175	295	89	71	15	27	23.	
8396	21	Anas discors?	♀	do	415	640	190	~~45~~ 84	45	32	43	
8397	21	Totanus flavipes	?	do	273	508	162	70	39	56	34	
8398	21	" "	♀	do	270	523	163	67	36	52	34	
8399	21	" "	♂ ad.	do	265	508	163	68	37,5.	50.	33	
8400	21	" "	♂	do	277	513	165	68	36,5	55.	35	
8401	21	" "	♂	do	269	496	157	68	37	54	34	
8402	21	" "	♂	do	276	512	164	70.	38	55.	34	
8403	21	" "	♂	do	270	509	160	68	35.	52	33	
8404	21	" "	♂	do	269	507	162	70	36	50	33	
8405	21	Ægialitis vocifera	♀	do	260	526	173	103	20	36	25,5.	
8406	21	" "	♀	do	257	520	172	107	19	35	24	
8407	21		♀	do	266	525	170	107	19.	38	27	
8408	21	Totanus solitarius	♀	do	230	442	143	62	32	33.	28,5	
8409	21	Phalaropus tricolor	♀	do	240	442	135	60.	35	34	29	
8410	21	Calamospiza melanocorys	♂ ad.	do								
8411	21	" "	♂ (ad.?)	do								
8412	21		♀	do								
8413	21	Passerina ~~Spiza~~ amoena	♂ juv.	do								
8414	21	" "	♂ juv.	do								
8415	21		♀ ad.	do	140	223	69	57	10,7	16	18.	
8416	21	Peucaea cassini	♂ ad.	do	155	214	67	69	13	19	18	Testicles greatly enlarged.
8417	21	Spizella breweri	♂ juv	do								
8418	21	"	♀ ad.	do								

8419	Aug. 21	Empidonax pusillus ~~traillii~~	♀ ad.	San Bernardino Ranch, Ariz.	146	217	67	58	12,4	16	15.	
8420	21	" " "	♂ juv.	do								
8421	21	" " "	♀ juv.	do								
8422	21	Dendroica aestiva subsp. nov.	♂ juv.	do	132	199	63	51	11	20	16,5	
8423	21	" " "	♂ juv.	do	130	195	63	50	10,5	19	15,5.	
8424	21	" " "	♀ juv.	do								
8425	21	Geothlypis macgillivrayi	♀	do	134	181	57	53	10,7.	20	16,5.	
8426	21	Aulocephalus flaviceps	♂ juv.	do								
8427	23	Sturnella mexicana	♂? ad.	do	220	335	110	66	29	41	34,	iris hazel. yellow spt. to the under tail cover Z.X.H.
8428	23	Chordeiles texensis	♀ juv.	do								Z.X.H.
8429	24	Sturnella	♂ ad.	do	245	405	122	78	32	40	36,	"
8430	24	Spizella breweri	♂ juv.	do	138	195	65	67	9	18,5	16,	"
8431	24	Spiza americana	♂ juv.	do	168	260	84	64	14	25.	24,	"
8432	24	~~Passerina~~ amoena	♂ ad.	do	142	227	77	58	10,5.	18	18	"
8433	24	Geothlypis macgillivrayi	♂ juv.	do	133	195	63	41	11	22	19,	"
8435.	24	Sylvania pusilla	♂	do	126	174	60	2[illegible]	10	19	14	"
8436	24	Dendroica aestiva (subsp. nov.)	♀ juv.	do	Not measured.							"
8437	26	Guiraca cae. eurhyncha	♂ ad.	do	186	294.	95.	76,	18	20	23.	E.A.M.
8438	26	"	♀ ad.	do	176	282	88	70.	17	20,5.	22.	"
8439	26	Passerina amoena	♂ juv.	do								"
8440	26	Tyrannus vociferans	♂ juv.	do								"
8441	26	Dendroica aestiva subsp. nov.	♀	do	127.	192	60.	45.	10,5.	19.	15,3.	"
8442	26	Geothlypis trichas occidentalis	♀	do	132	182	55	53	7.5.	20,5.	19.	"
8443	26	Ardea herodias	♂ juv.	do	Not meas'd							
8444	26	Sylvania pusilla	♀	do	128.	183.	58.	54.	9	19.	14	
8445	26	Chondestes grammaca	♂ ad.	do	177.	293.	93.	74.	15.	22	22.	
8446	26	Geothlypis macgillivrayi	♀	do	140.	189.	59.	55.	11	21.	17,3.	
8447	27	Callipepla squamata	♀ ad.	do	282	357	120.	87	14,5.	33.	37.	
8448	27	"	♂ juv.	do	not measured							
8449	27	~~Callipepla~~ Spiza americana	♂ juv.	do	"		"					
8450	27	Micropallas?	♀	do	85	110	44	27	14,5.			seen together
8451	27	whitneyi!	♂ ad.	do.	95	120	47	31	17	—	—	
8452	27	Himantopus mexicanus	♂ juv.	do	357	693	225.	83	57.	103	43.	
8453	27	"	♀ ad.	do	374.	708.	233.	85.	63.	113.	44.	
8454	27	Ereunetes occidentalis	♀ ad.	do	165	305.	97	46.	24	23.	20	
8455	27	" "	♂	do	164	305.	97	45	~~43~~ 24	23	19.	
8456	27	Phalaropus tricolor	♂	do	227	441	128.	60.	30.	33.	30	
8457	27	" "	♂	do	217.	395	125	54.	31.	33.	29	
8458	27	" "	♀	do	231.	416.	132	60.	34.	33.	29,5.	
8459	27	Totanus ~~solitarius~~ flavipes	♀	do	270.	519.	165	70.	34.	55.	34.	
8460	27	" "	♀	do	277	575	162	64	38.	54	36	
8461	27	" "	♂	do	263	507.	164	68.	33	54.	33	
8462	27	Petrochelidon lunifrons	♀	do	139	285	100.	52.	7,5.	12,5.	16.	
8418	21	"	♀ ad.									

No.	1892 Aug.	Name	Sex and age	Locality	Length	Alar expanse	Wing	Tail	Culmen	Tarsus	Middle toe and claw	Remarks.
8464	28	Spizella breweri	2	San Bernardino Ranch, Ariz.	141	200	62	64	9.5	17.5	17	
8465	28	"	2	do								
8466	28	Geothlypis macgillivrayi	♀	do	135	182	57	54	11	20	16.5	
8467	28	Piranga ludoviciana	♀	do								
8468	29	Geothlypis tr. occidentalis	♂	do	134	179	57.	5[illegible]	—	20	17	
8469a	28	Xanthocephalus xanthocephalus	♀	do								
8468a	28	" "	♀	do								
8469a	28	" "	♂ juv.	do	270	452	169.	110	22	36	38.	
8470	28	" "	♂ juv.	do	275	450	146	115	22	35,5	38.	
8471	28	" "	♀	do								
8472	29	Phalaropus tricolor ~~Geothlypis macgillivrayi~~	♂ ad.	do	219. ~~145~~	398 ~~192~~	124. ~~62~~	57. ~~61~~	29. ~~11~~	33. ~~21~~	29. ~~16~~	~~Not skinned.~~
8473	29	Phalaropus tricolor ~~Calamospiza melanocorys~~	♂ ad.	do	218. ~~179~~	392 ~~288~~	123 ~~90~~	52 ~~77~~	32. ~~14,5~~	34. ~~24~~	21,5. ~~23~~	" "
8474	28	Botaurus lentiginosus	♂ ad.	do	685.	1100	284.	100.	82	97.	103.	
8475	29	Ardea virescens	♀ juv.	do	Young of the year.							
8476	29	Anas cyanoptera?	♀ ad.	do	585.	620.	185	73	42	31	44.	
8477	29	Totanus flavipes	♂ ad.	do	260	505	162	64	35.	50	33.	
8478	29	Porzana carolina	♂ juv.	do								
8479	29	Stelgidopteryx serripennis	♂ juv.	do								
8480	29	Ereunetes occidentalis	♀	do	174	318	101.	46	27	24	21	
8481	29	" "	♂	do	163	307	98	41	23.	23,5.	20.	
8482	29	" "	♂	do	160.	303.	97.	42.	24.	22,5.	19.	
8483	29	" "	♂	do	160	306	98.	45.	23,5.	22	18,5.	
8484	29	" "	♂	do	161	300.	96.	43	23.	22,5.	19.	
8485	29	" "	♀	do	170	316	102	44	27	23.	19,3.	
8486	29	" "	♀	do	175	315	102	46	28.	23,5	20.	
8487	29	" "	♀	do	168	309	98	44	25	22	19,8.	
8488	29	" "	♀	do	166	312	100	44	25,5.	23.	19,3.	
8489	29	" "	(♀?)	do	176	322	103.	46	27	24.	20.	
8490	29	" "	♀	do	174	320.	102.	47.	28.	24.	20,2.	
8491	29.	" "	♀	do	169	311	102	44	27	23.	20.	
8492	29	Phalaropus tricolor	♀	do	233.	427	131	55	34.	35.	29.	
8493	29	" "	♂	do	219	392	123	50	31	35	19.	
8494	29	Tringa pusilla	♀	do	148.	283	90	41.	18.	19,5	19,5.	
8495	29	" "	♀	do	155	296	94	46	19	20	20.	
8496	29	" "	?	do	156	306	95.	45.	19.	20,5	21.	
8497	29	" "	♂	do	148	283.	90	41	18.	19	19	
8498	29	" "	(♀?)	do	154	287	91	46	19.	19.	19.	
8499	29	" "	[illegible] ♂	do	146.	282	88.	41.	17,5.	20	19,2.	
8500	29	" "	♂	do	150	292	92	44	19,8	19,3	20	
8501	30	Empidonax griseus?	?	do	147	225	69	62	11.7	18	13.5	Iris dark grayish brown. Bill with maxilla brownish black; mandible yellowish becoming dusky brownish at tip. Feet, black.
8502	30	Hummer) Stellula calliope	♂ juv.	do	96	119	47.	27,5	19	+	+	
8503	30	Chondestes	2	do	172	264	85	75	13	21	19.	
8504	30	Guiraca c. [illegible]	♂ juv.									
						~~119~~	~~47~~	~~27,5~~	~~19~~	~~+~~		
					~~172~~	~~264~~	~~85~~	~~75~~	~~13~~	~~21~~	~~19~~	

No.	Aug.	Name	Sex & Age	Locality	Length	Alar expanse	Wing	Tail	Culmen	Tarsus	M. toe	Remarks
8505	30	Passerina amoena	♂ juv.	San Bernardino Ranch, A.	142	222	70	54	9.2	16.5	17.5	
8506	30	Geothlypis macgillivrayi	♂ juv.	do	142	222	70	54	9.2	16.5	17.5	
8507	30	Xanthocephalus xanthocephalus	♂ ad.	do	222	378	122	93	20	33	32.	
8508	30	" "	♀ ad.	do								
8509	30	Spizella breweri	♂	do								
8510	30.	Amphispiza bilineata	♂ juv.	do								
8511	30	Hummingbird	?	do	96	115	48	30	19	—	—	
8512	31	Sylvania pusilla	♂ ad.	do	125.	182	59.	55.	9.2	19	14.	
8513	31	" "	♂ ad.	do								
8514	31	" "	♀ ad.	do	130	178	58	52	9.5.	19.	15.	
8515	31	" "	♀ ad.	do	128	179	56.	50	9.	18.5.	14.	
8516	31	" "	♀ ad.	do	126	180.	57.	52.5.	9.	19.5.	15.	
8517	31	Geothlypis macgillivrayi	♀	do	140.	198	62	57.	10.8.	22.	17.	
8518	31	Setophaga ruticilla	♂ juv.	do	140	197	64.	58.	8.5.	17.5.	14.	
8519	31	Polioptila melanura	♀	do	118	158.	49.	53.	9.5.	17	11.	
8520	31	Vireo gilvus swainsoni	♀ juv.	do								
8521	31	" " "	♀ ad.	do	140.	223.	70.	56.	10.	17.3.	14.	
8522	31	Petrochelidon lunifrons	♀ juv.	do								
8523	31	Dryobates s. bairdi	♂ ad.	do	191	247.	108.	70.	23.	18.5.	22.	
8524	31	Guiraca caerulea eurhyncha	♀ ad.	do	185	277.	87	71	19.	20.5.	24.	
8525	31	Empidonax difficilis	♀ juv.	do								
8526	31	Empidonax ~~trailli~~ pusillus	♀ juv.	do								
8527	Sept. 1	Ceryle alcyon	♀ ad.	do.	345	590	174	106	61	12	25.	
8528	2	" "	♂	do	335	570.	165	104	47	12	22.5.	
8529	2	Anas carolinensis	?	do	382	620	185.	85	35.	32	46.	
8530	2	" "	♂ juv.	do	400	640	195.	83	40.	32	48.	
8531	2.	Ardea virescens.	♀	do	485	680	200	72	56	51	61	
8532	2.	Plegadis ~~autumnalis~~ guarauna	♀ juv.	do	456	820	245	90	86	76	71	
8533	2	Symphemia semipalmata inornata ~~Nycticorax nycticorax naevius~~	♀ ad.	do	384	715	215.	88	64	64.	45.	
8534	3	Nycticorax nycticorax naevius	♀ juv.	do	600	1090	306	109	66	77.	87	Iris orange yelow. feet grass green.
8535	3.	Buteo borealis calurus.	♀ ad.	do	Stomach cont. Lepus arizonae.							
8536.	4	~~Strix pratincola~~ ~~Aluco~~ flammeus americana.	♀ ad	do	385	1170	350	142	24	72	57	Stomach contained hair (possibly Lepus.)
8537	4	Seiurus ~~naevius~~ noveboracensis notabilis	♂	do	163	255	82	61	13.5	22	18.	
8538	4	" " "	♀	do	162	244	78	60	13.3	22	18.3	
8539	4	" " "	♀.	do	158	238	75	58	14	21.5	18.	
8540	4	" " "	♀	do	160	235	72	81	13	22	18.5	
8541	4	Vireo s. cassinii	♂	do	140	230	73	54	11	20	16.	
8542	4	" "	♂	do	143	229	74	56	11	20	16.	
8543	4	Contopus borealis	♂ juv.	do								
8544	4	Piranga rubra cooperi	♂ ad.	do	Molting; changing to winter dress.							
8545	4	Troglodytes aëdon	♀	do	133	173	53	52	12	16	17	
8546	4	Turdus (Hylocichla)	♀	do	188	297	96	75	14	28	22.5	
8547	4	Icteria virens longicauda	?	do	195	251	81	90	15.5	26	23	

No.	1892 Sept.	Name	Sex and age	Locality	Length	Alar expanse	Wing	Tail	Culmen	Tarsus	Middle toe and claw	Remarks
✓ 8548	4	Geothlypis trichas occidentalis	♀ ad.	San Bernardino Ranch, Arizona	135	178	54	54	12	20.5	18	
✓ 8549	4	Ammodramus s. alaudinus	♂	do	148	244	74	55	11	23	20.5	
✓ 8550	4	" " "	♂?	do	146	242	74	57	9.6	20	20	
✓ 8551	4	" " "	♂	do	147	236	73	56	11	21.5	20.7	
✓ 8552	4	Sylvania pusilla	♂ ad.	do	131	176	70	55	9.5	19	14	
✓ 8553	4	" "	♂ ad.	do	132	191	60	60	9.5	19	14	
✓ 8554	4	Auriparus flaviceps	♂.	do								
✓ 8555	4	Passerina amoena	♀	do								
✓ 8556	4	Sayornis nigricans	♀ juv.	do								
✓ 8557	4	Xanthocephalus xanthocephalus	♀ ad	do								
✓ 8558	4	Centurus uropygialis	♂ ad.	do								
✓ 8559	4	" "	♀	do								
✓ 8560	4		♀	do								
✓ 8561	4.	Totanus solitarius	♀	do	233	440	142	62	34	35.5	30.5	
✓ 8562	4	" "	♀	do	224	437	140	61	29	32	29	
✓ 8563	4	Nycticorax nycticorax naevius	♀ juv.	do								Iris yellowish
✓ 8564	4	Accipiter cooperi	♀ juv.	do	476	~~[illegible]~~ 850	267	240	18.5	68	54	Iris pale greenish yellow.
✓ 8565	4	Corvus corax sinuatus	♂ ad.	do	640	1260	438	150	70	72	66	
✓ 8566	4	Dafila acuta	♂ juv.	do	590	905	275	128	52	45	63	The first seen.
✓ 8567	5	Melospiza lincolni	♀	do	148	203.	62.	63.	10,8	20	19	
✓ 8568	5	Campylorhynchus brunneicapillus	♀	do								
✓ 8569	5	Piranga ludoviciana	♀	do								
✓ 8570	5	Xanthocephalus xanthocephalus	♀	do								
8571	5	Empidonax difficilis	♀?	do								
8572	5	Contopus richardsonii	?.	do	142.	206.	64.	60.	11,5.	16,5.	14.	
✓ 8573	5	Vireo gilvus swainsoni	?.	do	133.	225	70	56	9.	18.	14.	
✓ 8574	5	Geothlypis macgillivrayi	♀	do								
✓ 8575	5	Sylvania pusilla	♂ ad	do								
8576	5	" "	♂ ad.	do								
8577	5		♀	do								
✓ 8578	6	Spizella ~~[illegible]~~ breweri	♀	tag 8579 do								
✓ 8579	6	Pipilo fuscus mesoleucus.	♂ juv.	tag 8578 do								
✓ 8580	6	Stellula calliope	?	do								
✓ 8581	6	Trochilus rufus	♂ juv	do								
8582	7	" "	♂ juv.	do								
✓ 8583	7	Stellula calliope ? rufus?	?	do								
✓ 8584	7	" "	?	do								
✓ 8585	7	Trochilus alexandri.	♀	do								
✓ 8586	8	[illegible]? *	?	do	48	119	48	31	18	×	×	
8587	8	Geothlypis tr. occidentalis?	♀	do	195	287	90	91	11	18	17	
✓ 8588	8	Hirundo erythrogaster	? ad.	do	180	320	119	84	8.7	12	16.5	
8589	9	Harporhynchus crissalis	ad.	do.								Molting badly; not measured.
8590.	1	Ardea herodias	♂ juv.	Cajon. Creek, Sonora								Shot at night by Lieut. Gaillard with rifle.

No	1892 Sept.	Name	Sex & age	Locality	Length	Alar expanse	Wing	Tail	Culmen	Tarsus	Middle toe	Remarks
8591	5	Circus hudsonius	juv.	San Bernardino Ranch, A. T.								The first seen; several.
8592	5	Bubo virg. subarcticus	ad.	do								
8593	11	Nycticorax n. naevia	♂ juv.	do								Mummified.
8594	14	Stellula calliope	?	do								
8595	14	Pyrocephalus rubineus mexicanus	♂ ad.	Johnston's Ranch (7 m. S. of Bisbee), A. T.								
8596	14	Callipepla squamata	? juv.	do								
8597	14	" "	? juv.	do								
8598	14	Zenaidura macroura	♀ juv.	do	158	2[illegible]	86.	65.	13	21	20.	
8599	14	Poocaetes gramineus confinis	♀	do	165.	26[illegible]	86	6[illegible].	12.	21.	20,5.	
8600	14	" "	♀	do	1[illegible]	1[illegible]	6[illegible].	57	9.	18,5.	15.	
8601	14	Sylvania pusilla	♂ ad.	do	156	23[illegible].	73	58.	20	22	18,5.	
8602	15	Salpinctes obsoletus	♂ ad.	do								
8603	15	Pipilo chlorurus	♀	do								
8604	15	Callipepla squamata	ad.	do								
8605	15	Pyrocephalus r. mexicanus		do								
9606	14	Salpinctes obsoletus	♂	do								
[illegible]607	14	Lanius l. excubitorides	♀	do								
8608	14	Icterus bullocki ?	? juv.	do								
8609	15	Tyrannus vociferans	? juv.	do	165	288.	88.	70.	11,5	22,5	20.	
8610	15	Poocaetes gramineus confinis	?	do	229.	317	102	100	17	30,5	25,5	
8611	15	Oroscoptes montanus	♀	do	228	318	101	98.	17	31	25.	
8612	15	" "	♀	do	132	218	70.	52	10.	16,5	14.	
8613	15	Vireo gilvus swainsoni	?	do	134	214	68	51	10,5	18.	14	
8614	15	" "	?	do	146.	205.	[illegible]5	67.	8,8	18.7.	18.	
8615	15	Spizella breweri	?	do	136.	207	67	56	11	18.	15,5.	
8616	15	Helminthophila celata	?	do	171	270	86	71	12,5	20.	20,5.	
8617	15	Chondestes gr. strigata	?	do	195	260.	80.	90.	13.	25.	24.	
8618	15	Pipilo chlorurus.	♂ juv. 7 X. H.	do	560.	1360.	418	234	28	90	65.	Stomach contained Lepus arizonae. Iris pale brownish yellow
8619x	15	Buteo borealis calurus	♂ ad.	do	Shot in a huckleberry-tree, 20 m. east of the San Pedro River, the nearest water.							
8620	17	Ardea virescens	♀ juv.	do	143	202	64	60	10	20,5	17	
8621	17	Geothlypis macgillivrayi	♂ 7 X. H.	do	156	217	68	66.	11,7	20,5.	19,5.	
8622	17	Melospiza lincolni	♂	do	149.	218	69.	54	16,5.	20	18.	
8623	17	Salpinctes obsoletus	♂	do								
8624	17	Piranga ludoviciana	♀	do								
8625	17	Sayornis saya	♂	do	189	295	98	76	15.	21	19,5	
8626	19	Piranga ludoviciana	♂ juv.	do	134	314	121	53	5	13	14.	
8627	19	Tachycineta thalassina	♂ ad.	do	620	1590	505.	269	23	61	82	
8628	19	Cathartes aura.	? ad.	do	488	890	281	246	18.	68	59.	
8629	20	Accipiter cooperi.	juv.	do	144	232	72	57	11	20	19.	
8630	20	Ammodramus s. alaudinus	♀ ad.	do								
8631	20	Guiraca caerulea eurhyncha	(♂ 7 X. H.) juv.	do								
8632.	20	Empidonax (griseus?)	♂	do								

No.	Sept Date	Name	Sex & Age	Locality	Length	Alar expanse	Wing	Tail	Culmen	Tarsus	M.T.&C.	Remarks
8633	24	Mimus polyglottos	♂ juv.	Johnstons Ranch, Arizona								
8634	24.	Dendroica auduboni	♂	do								
8635	25	Sayornis saya	♂	do	195	330	110	85	16.	23	19,5.	
8636	25	Empidonax difficilis?	?	do								
8637	25	Vireo gilvus swainsoni	?	do								
8638	25	Amphispiza bilineata	♂?	do	146	205	71	73	11.	21.	18.	
8639	25	Melospiza lincolni	?	do	150	210	68.	58	11	23	20.	
8640	25	" "	♂ ad.	do	145	198	68.	57	11	21	20.	
8641	25.	Trochilus calliope	♂ juv.	do	85	108	40.	27.	16	4	4	
8642	26	Setophaga picta	♂ ad.	San José Mts., Sonora	148.	215	71.	72.	9.3.	15,5.	16.	
8643	26	Falco sparverius deserticolus	♀ ad.	do	290.	603.	199.	145.	11.	37.	30.	
8644	26	Aphelocoma sieberii arizonae	♂ ad.	do	338.	523.	173.	164.	28.	40.	33.	
8645	26	" " "	♂	do								
8646	26	" " "	♂	do								
8647	26	" " "	♂?	do								
8648	26	" " "	♀	do								
8649	28	Ammodramus s. alaudinus.	♀	Johnsons Ranch, 7 m. s. of Bisbee, Arz	144	225	73.	55	11	21	21	
8650	28	Cistothorus palustris paludicola	♀	do	128	173	55.	44	14	20,5	17	
8651	28	Geothlypis tr. occidentalis X	♂	do	141	183	71	60	13	22	21.	
8652	28	Zonotrichia intermedia	♂ juv.	do	182	249	82	83	12.	23,5	24.	The first seen this fall.!
8653	28	Spiza americana.	♀	do	161	250	79.	63	14.	23	22.	
8654	28.	Tyrannus vociferans.	♂ im.	do	Not measured.							
8655	Oct. 2	Melospiza lincolni	♂	San Jose Mts., Sonora	148	197	65	61	12	20.5	20	
8656	2	Sylvania pusilla	♂ ad.	do	119	172	57	47	9	18.	13.5	
8657	2	Empidonax (very yellow below)	♂ ad.	do	150	224	70	63	12.	17.	14.	Mandible yellow
8658	2	Regulus calendula.	(♀?) ad. H.W.H	do	119	179	63	50	9	22.5	13.	
8659	2	Callipepla squamata	♂ ad.	do	282	402	125	96	13	33	37	
8660	2	" "	♂ ad.	do	280	390	120	100	13	34	37	
8661	2	Vireo gilvus swainsoni??	♂	do	135	213	68	53	14	16	13	
8662	2	Columba fasciata	♂ juv.	do	330	604	203	117	19	27	39	
8663	2	" "	♂ juv.	do	339	690	195	124	17	27	38	
8664	3	Cyanocitta stelleri macrolopha	♂ ad.	do	415	—	155	144	29.5	44	32	
8665	3	[illegible]	? juv.	do	143	200	67	63	11.	22.	19.	
8666	3	[illegible]	? juv.	do								
8667	3	Empidonax (very yellow)	♀	do	136	202	65	57	11.	17.	12.	mandible all yellow
8668	3	Empidonax	?	do								Mandible dusky at tip
8669	3	"	?	do	132	220	70	58	11.	17.	14.	do
8670	3	"	♂ juv.	do								do
8671	3	Setophaga picta	(♂?)	do	139	206	71	66	10.	18.	15.5	
8672	4	Setophaga picta	♂	do	145	221	74	70	10.	19.	16.	
8673	4	Setophaga picta	?	do	145	210	74	69	10.	18.	15.	
8674	4	Spizella socialis arizonae?	♂	do	150	232	79	70	10	19.	18.	

No.	1892 Oct.	Name	Sex and Age	Locality	Length	Alar expanse	Wing	Tail	Culmen	Tarsus	Mid. toe + claw	Remarks.
8675	4	Sitta carolinensis aculeata	?	San Jose Mts., Sonora								
8676	4	Parus wollweberi	♀ ad.	do	135	206	72	65	—	19.	14.5	
8677	4	" "	♀ juv.	do								
8678	4		♂ juv.	do								
8679	4	Aphelocoma ~~sieberii arizonae~~ woodhousii	♀	do								
8680	5	Myadestes townsendi	♂ ad.	do	214	360	125	110	11.	23	21	Iris dark brown.
8681	5	Turdus aonalaschkae auduboni	♂ ad.	do	193	325	102	86	14.	33	24	
8682	5	Sylvania pusilla	♂ ad.	do	126	169	57	55	9	20	15	
8683	5	Accipiter velox ×	♂ juv.	do	Not measured							
8684	6	Aphelocoma sieberii arizonae	♂	do	347	520	172	158	29	45	38.	
8685	6	Aphelocoma sieberii arizonae	♂ ad.	do	342	510	170	159	30	43	35	
8686	6	Turdus	♀ juv.	do	~~87~~ Not measured.							
8687	6	Junco cinereus palliatus	♀ ad.	do	162	245	87	76	12.	22.	20	Iris, orange-yellow.
8688	6	Spizella socialis arizonae?	? juv.	do								
8689	6	~~Sylvania pusilla~~ Troglodytes aëdon aztecus	juv.	do								
8690	6	Empidonax (very yellow)	♂ juv.	do	Bill all yellow below.							
8691	6	Corvus corax sinuatus	?	do	35	1272	440	260	72	69	64	
8692	6	Setophaga picta	♂	do	44	210	70	68	10	18	17	
8693	6	Accipiter velox	♀ juv.	do	355	648.	210	191	12	55	47	Iris yellow.
8694	7	~~Empido~~ Myadestes townsendi	♀ ad.	do	207	345	125	110	11.5	22	22	
8695	7	Spizella socialis arizonae	♂	do								
8696	7	Aphelocoma sieberii arizonae	♀ ad.	do	335	520	176	159	29	46	35	
8697	7	Aphelocoma sieberii arizonae	♀	do	340	505	165	148	29	45	38	
8698	7	" " "	♀	do	344	514	169	154	30	45	37	
8699	7	" " "	♂	do	335	515	167	154	29	42	36	
8700	7	Trochilus calliope?	(♀?)	do	99	112	45	32	17	—	—	
8701	7	Aphelocoma sieberii arizonae	♂	do								
8702	7	Aphelocoma woodhousii	♂	do	310	405	136	147	26	42	33	
8703	7	Aphelocoma sieberii arizonae.	♀ ad.	do	Not measured.							
8704	10	Accipiter ~~fuscus~~ velox	♂ juv.	San Pedro River, Mex. Bd. Line.	Not measured. Stomach contained Zonotrichia intermedia.							
8705	10	Falco richardsonii	♂ ad.	do	305	633.	208	139.	12,7.	40	40	Stomach contained beetles, grasshoppers & feathers. Was carrying Spiza americana (?) in claws when shot
8706	10	Buteo borealis calurus	♀ ad.	do	600	1420.	440	165	26	94.	68.	Stomach contained Lepus arizonae + L. gambeli
8707	10	Zonotrichia intermedia	♀ juv.	do	Not measured.							
8708	10	Totanus solitarius	♂ ad.	do	do							
8709	10	Geococcyx californianus	♂ juv.	do	Stomach contained scorpions and grasshoppers.							
8710	10	Empidonax (very yellow)	♂	do	43	221	68	62	11,2	17.	10	migrating; not rare along the San Pedro River now. Lower mandible entirely flesh color
8711	10	Sayornis nigricans	♀ ad.	do	183	237	89	80	12,5	18.	15.	
8712	10	Ceryle alcyon	♀ ad.	do	345	570.	166.	100.	54.	12	24	
8713	11	Corvus corax sinuatus	♀ ad.	do	615	1285	430	270	67.	69	64.	
8714	11	" " "	♂ ad.	do	630	1300.	440	267	68.	69	68.	
8715	11	Hirundo erythrogastra	♂ ad.	do ×	182	325	119	95	8.	10.5	16	
8716	11	" "	♂ ad.	do	190	333	124	98	8	12	17.	
8717	11	" "	? juv.	do								

No.	1892 Oct.	Name	Sex and Age	Locality	Length	Alar Expanse	Wing	Tail	Culmen	Tarsus	Middle toe and claw	Remarks
8718	11	Nycticorax nycticorax naevius	♀ juv.	San Pedro River, Mex. Bound. Line.								
8719	11	Sayornis saya.	♂ ad.	do	198	333.	109	88	15.	20.	17.5.	
8720	11	Tachycineta thalassina	♀ juv.	do								
8721	11	" "	♀ juv.	do								
8722	11	Parus wollweberi	♂	do	120	200.	~~68~~ 65	~~46~~ 63	~~11~~ 9	~~17.5~~ 16	~~10~~ 14.	
8723	11	Helminthophila celata	♀	do	124	180.	~~220~~ 68	~~210~~ 49	15.	17.5	16.	
8724	11	Accipiter cooperi	♂ juv.	do	413	730	228	210	15	58	49	
8725	12	Hirundo erythrogaster	♀	do	177.	330	118.	87	9.4.	13.	17.	
8726	12	Sphyrapicus varius nuchalis	♀ ad.	do	213.	405.	131.	86	22	20	23.	
8727	12	Empidonax	♀	do	141	218.	67.	63.	11.	18.	13.	
8728	12	Corvus cryptoleucus	♂ ad.	do	537	1080.	353	276	55	64.	60.	Hight of Bill at base 23.
8729	12	"	♀ ad.	do	517.	1055	342	213	46	64	56.	" " " " " 29.5
8730	12	"	♂ ad.	do	540	1140.	377	225	51	~~47~~ 62	60.	" " " " " 23.
~~8731~~	12	~~Ardea herodias~~	juv.	do								
8732	12	Helminthophila celata	♀	do								
8733	12	Zonotrichia intermedia	♀ juv.	do								
8734	12	Lanius l. excubitorides	♀	do								
8735	12	Poocaetes gr. confinis	♀ juv.	do								
8736	13	Spatula clypeata	♂ juv.	do								
8737	13	Anas americana	♂ ad.	do	525	884	275	143	37	41	58	
8738	13	Hirundo erythrogaster	♂	do								
8739	13	" "	?	do								
8740	13	" "	?	do								
8741	13	" "	♂	do								
8742	13	" "	?	do								
8743	13	" "	?	do								
8744	13	" "	♂	do								
8745	13	" "	♂	do								
8746	13	" "	♀	do								
8747	13	" " +	?	do								
8748	13	" "	♀	do								
8749	13	Polioptila	♀ juv.	do								
8750	13	Geothlypis trichas occidentalis	♂ juv.	do								
8751	13	Sylvania pusilla	♂ ad.	do								
8752	13	Otocoris alpestris adusta	♂	do								
8753	13	Corvus cryptoleucus	♀ ad.	do	525	1090.	362	216	57	63	59.	hight bill at base. 22.
8754	14	Falco mexicanus	♀	do	477	1075.	342.	204.	24.	62	~~64~~ 70.	Iris dark brown.
8755	14	Speotyto cunicularia hypogaea	♀ ad.	do	240.	630	178	85	14	50.	28.	
8731	14	Sturnella neglecta	♂ ad.	do.	156	412	126	82	33.	40.	32.5	
8756	15	Ægialitis vocifera	♂ ad.	do	Not measured							
8757	15	" "	♀ ad.	do		do						

✓ Sturnella ♂
✓ Speotyto ♂ No. 55
Zonotrichia ♀ juv. " 64
Empidonax ♀ " 60
" ♂ " ?
Tachycineta ♂ ad. " ?
" ♂ ad. " ?
Icteria ♀ ad. " ?
Geothlypis ♂ ad. " ?
Sayornis ♀ juv.
Z. leucoph. 62
Z. interm. 63
Hirundo erythrogaster ♀.

No.	1892 Oct.	Name	Sex and age	Locality	Length	Alar expanse	Wing	Tail	Culmen	Tarsus	Middle toe & claw	Remarks
		San Pedro River Mex. Bd. Line			~~183~~							
~~8757~~	~~15~~	~~Icteria virens longicauda~~	♀ ad.	~~San Pedro River Mex. Bd. Line~~	~~183~~	~~246.~~	~~179~~	~~78~~	~~13.~~	~~25~~	~~21.~~	
8758	15	Icteria virens longicauda	♀ ad.	San Pedro River, Mex Bd. Line	183	246	179	78	13	25	21	
8759	15	Geothlypis trichas occidentalis	♂ ad.	do	140	185	57	60	11,5	21	17,5	
8760	15	Tringa minutilla	♀	do								
8761	15	" "	♂	do								
8762	15	Zonotrichia leucophrys	♂ ad.	do								
8763	15	Poocaetes gramineus confinis	♀ ad.	do								
8764	15	Zonotrichia intermedia	♂ juv.	do								
8765	15	" "	♂ ad.	do								
8766	15	Tachycineta thalassina	♂ ad.	do								
8767	15	" "	♂ ad.	do								
8768	15	" "	♂ juv.	do								
8769	15	Hirundo erythrogaster	♀	do								
8770	21	Micropus melanoleucus.	♂ ad.	do	148	322	139	62	6	12	14	1 Flock of 7. seen.
~~8771~~ 8792	21	Merula migratoria propinqua	♀ ad.	do	263	428	144	109	-	31	31	first seen
~~8772~~	21.	Anthus pensilvanicus	♂ ad.	do	167	265	89	70	12	23	19	No. 8792.
8773	21	Cyanocitta stelleri macrolopha	♀ ad.	Huachuca Mts., Arizona	311	463.	148.	143	27	45,5	33,5	
8774	21	Aphelocoma sieberii arizonae	♀ ad.	do	323.	502	164	150.	28.	43.	34	+
8775	21	Melanerpes f. aculeatus	♀ ad.	do	~~240~~ 240	450	145.	93.	25.	20.	22,5.	
8776	21	" " "	♂ ad.	do	241	450.	142	88.	24,5.	21.	24.	
8777	21	" " "	♀ im.	do								
8778	21	Dryobates villosus hyloscopus	♂ ad.	do	not 232.	399.	125	87.	28	22.	24.	
8779	21	Dryobates arizonae ×	♂ ad.	do	215.	375.	219.	77.	27.	21.	20.	
8780	21	Parus wollweberi	♀	do								
8781	21	Sitta pygmaea	♀ ad.	do	114	212	76	40.	13.	15.	15,5.	
8782	21	Certhia f. ?	♀ ad.	do	135.	292.	63.	65.	13.	15	15.	
8783	21	Salpinctes obsoletus	♂ ad.	do	162	243.	78.	62.	17	21,5.	17,5.	
8784	21	Empidonax	"	do	140	225	72	60	9,8.	17	13.	
8785	22	Agelaius phoeniceus	♀	San Pedro River, Mex Bd. Line	204	344.	110.	84.	19.	26,5.	26,5.	
8786	22	Scolecophagus cyanocephalus	♀	do								
8787	22	Aegialitis vociferus	♀ ad.	do	255.	508	166.	102	19.	34,5.	25,5.	
8788	23	Gallinago delicata	♀ ad.	do.	283	465	144	65	64	35	39	
8789	23	Harporhynchus palmeri	♀ ad.	do	287	349	109	127	31,5	31	31,5.	
8790	23	Anas strepera	♀ juv.	do	460	860	252	88	40,5.	39,5.	51	
8791	23	Sayornis nigricans.	♀ im.	do.	183.	287	90	79.	12,5	18.	15,5	
8772	17	Anthus pensilvanicus	♀ ad.	do								
8793	17	Zonotrichia leucophrys.	♀ ad.	do								
8794.	25	Falco columbarius	♂ ad.	do.	291	605	201	129.	11,5	38	43.	Iris dark hazel
8795	26	Scotoris	♂ ad.	do	182	330	110	77	11	24	19	
8796	26	"	♀ ad.	do	470	313	164	72	10,5	43	18.	
8797	26	Merula m. propinqua	♀ ad.	do	260	400	137	109	22	35	29.	
8798	26	Bubo virg. subarcticus	♂ ad.	Huachuca Mts., Arizona	520.	1032. ~~377~~	227 ~~222~~	222 ~~372~~	28 ~~229~~	64	71.	Iris yellow.
8799	26	Regulus calendula	♂ ad.	do	116	183.	60	50	9,5.	18,5	13.	

No.	1892 Oct.	Name	Sex and Age	Locality								Remarks
8800	26	Otocoris a. adusta	♀ ad.	San Pedro River, Mex. Bd. Line	170	315	102	70	11,5	21	18.	
8801	26	Calcarius ornatus	♂	do	152	268	82	63.	9,5	20.	19.	
8802	26	" "	♂	do	161	~~2~~286.	93.	69.	11.	19,5.	19.	
8803	26	" "	♀	do	151.	2~~5~~63	83.	59.	16,5	19,5	18,5.	
8804	26	" "	♀	do	149	2~~5~~65	82	60	9,4.	20	17	
8805	26	Sialia mexicana	♂ ad.	Huachuca Mts., Arizona	77	341.	115.	75.	11,2	20.	19,5.	
8806	26	Centurus uropygialis	♂ ad.	do	266	453	139	96.	32	24	31.	Killed in the oak belt.
8807	26	Dryobates s. bairdii	♀ ad.	do	188	340.	105.	71	19.	19.	18,5.	
8808	26	Aphelocoma s. arizonae	♀ ad.	do	343.	533	170	157	29,5	42	36.	
8809	26	" " "	♀ ad.	do	335.	510.	167	149.	30.	41.	33.	
8810	26	" " "	♀ ad.	do	347	540.	175	161	30.	43,5.	35.	
8811	27	Sayornis saya	♂ ad.	San Pedro River, Mex. Bd. Line	198	340	114	88.	16.	21	18.	
8812	29.	Anas carolinensis	♀ ad.	do	345	590	184	81	35	29	42.	
8813	15	Sayornis nigricans	♀ juv.	do								
8814	Nov. 10	Ceryle [americana septentrionalis] ~~alcyon~~ cabanisi	♂ ad.	Ft. Clark, Texas	218	292	86	66	~~44~~	11	17	Feet dusky plumbeous; flesh-color below. Iris dark hazel. Bill blue-black, with base of gonys, on ridge, horn-color.
8815	10	Thryothorus lomalitensis	♀ ad.	do	148	196	60	56	17	21.5	20	
8816	10	Falco sparverius	♂ im.	do	265	~~2~~265	190	170	12	36	29	Cere + feet yellow.
8817	10	Melanerpes aurifrons	♂ ad.	do	170	420	141	95	34	25	30	
8818	10	Dendroica coronata	♀	do	~~219~~							
8819	17	Regulus calendula	♂ ad.	(crown red) do	115	184	60	47	9	19.5	13.	Crown red
8820	17	Harporhynchus l. sennetti	♀ ad.	do	293	327	102	138	26.5	33	31	Iris orange-yellow.
8821	17	Ceryle [americana septentrionalis] ~~cabanisi~~	♂ ad.	do	219	307	85	64	44	11	17.5	
8822	17	Cardinalis c. canicaudus, [archeus?]	♂ ad.	do	223	303	95	111	19	26	24	
8823	17	Pipilo maculatus megalonyx!	♂ ad.	do	219	290	91	111	14.2	28	29	hind claw, 12. Iris red.
8824	19	Melanerpes aurifrons	♂ ad.	do	260	448	135	94	33	24.5	28	
8825	19	" "	♀ ad.	do	256	429	135	94	27	24	27.5	
8826	19	Harporhynchus l. sennetti	♂ ad.	do	292	332	102	133	26	35	30	
8827	19	Thryothorus lomalitensis?	♀ ad.	do	144	192	59	55	16	20	19.5	
8828	19	Cardinalis cardinalis canicaudus	♂ ad.	do	223	297	93	111	19	25	23.5	
8829	19	Turdus aonalaschkae	♀ ad.	do	182	293	95	72	14	31	22.5	
8830	19	Pipilo maculatus [arcticus] ~~megalonyx~~	♀ ad.	do	210	277	86	102	14	29	26.5	hind claw 10.5
8831	19	" " "	♀ ad.	do	210	279	88	104	14	28	27	hind claw, 11.5
8832	20	Colaptes cafer	♀ ad.	do	326	540	167	124	36	30	33	
8833	20	Sturnella neglecta	♀	do	236	381	118	76	31	37	33	
8834	20	Mimus polyglottos	♂ ad.	do	267	366	115	128	19	34	29	
8835	20	Zonotrichia leucophrys	♂ ad.	do	182	256	81	82	11.5	23.5	23	Intermediate bet. Z. leucophrys + intermedia
8836	20	" "	♀ ad.	do	180	248	80	78	11.2	23	22	
8837	Dec. 3	Melanerpes aurifrons	♀ ad.	do	261	441	134	92	30.5	25	28	Iris red.
8838	"	" "	♂ ad.	do	271	444	135	92	31.5	24.5	27.5	"
8839	"	" "	♂ ad.	do	264	438	137	92	34	25	28	"
8840	"	" "	♂ ad.	do	268	440	135	91	32.5	24	28	"
8841	"	Cardinalis cardinalis canicaudus	♂ ad.	do	223	295	90	102	19	24	23	"
8842	"	Spinus tristis	♀ ad.	do	129	220	72	61	10	14	16	

No.	1892 Dec	Name	Sex and Age	Locality	Length	Alar expanse	Wing	Tail	Culmen	Tarsus	Middle toe and claw	Remarks
8843	18	Regulus calendula	♀ ad.	Fort Clark, Texas.								Crown plain.
8844	18	Ampelis cedrorum	♂ im.	do								No wax on appendages. Full of mistletoe berries
8845	18	~~Parus atricristatus~~	♀ ad.	do	184	305	100	62	10.8	18.	21	Waxen appendages on 7 secondary quills. do.
8846	18	Parus atricristatus	♀ ad.	do	155	239	74	72.	11.2	20	17.5	Iris dark hazel.
8847	18	Thryothorus bewickii	♂ ad.	do	141	186	58	62	15	19	17.	
8848	18	Cardinalis c. canicaudus	♂ ad.	do	230	311	98	117	20	25.5	26.5	
8849	18	Ceryle americana septentrionalis ~~cabanisi~~	♂ ad.	do	224	313	86	68	46	16	19	
8850	21	Merula migratoria	♀ ad.	do	256	399	130	107	18.2	32	27	Bill mostly dusky.
8851	21	" "	♂ ad.	do	257	405	136	106	19.	34	29	Bill half yellow & half dusky.
8852	21	Turdus aonalaschkae	♀ ad.	do	179	285	92	71	12.5	30	23.5	
8853	21	Parus atricristatus	♀ ad.	do	148	228	71	66	11.	19	17	
8854	21	" "	♀ ad.	do	152	232	73	70	11.5	18.5	16.5 18.3	
8855	21	Certhia familiaris	♀ ad.	do	135	194	63	65	13.0	15.0	16.0	
8856	21	Sialia mexicana	♂ ad.	do	177	326	110	75	11.0	20.5	19.5	
8857	21	" "	♀ ad.	do	175	327	112	70	12.0	20.0	19.5	
8858	21	Thryothorus bewickii	♂ ad.	do	142	190	60	60	15.0	18.0	17.0	
8859	21	Thryothorus l.	♀ ad.	do	150	200	64	56	17.0	21.5	20.5	
8860	21	Mimus polyglottos	♀ ad.	do	250	350	111	119	18.0	33.0	28.0	
8861	21	Sayornis phoebe	♂ ad.	do	181	288	88	81	13.3	18.0	16.0	
8862	21	Melanerpes aurifrons	♂ ad.	do	259	439	135	92	33.0	24.0	30.0	
8863	21	" "	♀ ad.	do	246	422	132	87	27.0	23.0	27.0	
8864	21	" "	♀ ad.	do	253	435	135	94	30.0	23.0	28.0	
8865	21	Sphyrapicus varius	♀ im.	do	214	390	126	85	24.5	20.0	22.0	
8866	21	Accipiter cooperi	♀ ad.	do	510	900	272	238	20.5	73	63	Iris red. Had just killed Cardinalis.
8867	21	Melospiza lincolni	♀ ad	do	143	197	62	60	11.0	20.5	19.0	
8868	21	Cardinalis cardinalis canicaudus	♂ ad	do	228	302	94	113	18.5	26.0	24.0	
*8869	23	" " "	♂ ad.	do	230	300	95	112	19.0	25.5	24.0	Shot by Mrs. Mearns.
8870	23	" " "	♂ ad.	do	228	299	94	111	20.0	25.5	23.0	
8871	23	" " "	♂ ad.	do	234	304	97	116	19.5	26.0	23.5	
8872	23	" " "	♂ ad.	do	223	300	96	109	19.	25	22	
8873	23	" " "	♀ ad.	do	218	296	92	106	17.5	24	22.5	
8874	23	" " "	♀ ad.	do	×223	295	93	106	17.2	24	23	
8875	23	" " "	♀ ad.	do	216	296	91	105	19	24	23.5	
8876	23	" " "	♀ ad.	do	213	290	91	101	18.5	24.5	23.	
8877	23	Embernagra rufivirgata	♀ ad.	do	153	203	61	60	13.0	22.5	19.5	
8878	23	" "	♀ ad.	do								Had lost its tail.
8879	23	" "	♀ ad.	do	153	200	60	63	13.3	23.0	20.0	
8880	23	Spinus psaltria mexicanus	♂ ad.	do	116	206	66	44	10.0	13.0	15.0	
8881	23	Melospiza lincolni	♂ ad.	do	151	207	63	63	11.0	20.5	20.5	
*8882	23	Thryothorus l. Helodytes?	♂ ad.	do	150	205	61	54	17	22	20	Shot by Mrs. Mearns.
*8883	23	Helminthophila celata	♂ ad.	do	125	191	60	48	11	17.5	14.5	Shot by Mrs. Mearns.
8884	23	" "	♀ ad.	do	123	183	58	48	11	18.0	15.0	
8885	23	Harporhynchus l. sennetti	♀ ad	do	293	332	101	133	26.5	35.5	31.5	

No.	1892	Species	Sex and Age	Locality	Length	Alar Expanse	Wing	Tail	Culmen	Tarsus	Middle toe and Claw	Remarks
8886	Dec. 23	Colaptes cafer.	♀ ad.	Ft. Clark, Texas	37	537	166	123	38	30.5	34.5	
*8887	23	Melanerpes aurifrons	♀ ad.	do	50	430	130	84	29	23.5	28	Shot by Mrs. Mearns.
8888	27	Junco shufeldti	♀ ad.	do	56	239	78	73	11	21	19.5	
8889	27	Melospiza lincolni	♂ ad.	do	45	204	63	60	11.3	20.5	20.	
8890	27	" "	♂ ad.	do	51	209	66	67	11.5	20.5	20	
8891	27	Zonotrichia leucophrys	♂ juv.	do								
8892	27	Pipilo maculatus arcticus	♂ ad.	do	216	302	95	114	14.0	29	27	Hind claw, 11
8893	27	" " "	♂ ad.	do	219	287	90	106	14.5	29	28	Hind claw, 12.
8894	27	Cardinalis c. canicaudus	♂ ad.	do	223	297	94	109	19.5	24	24.5	
8895	27	" " "	♂ ad.	do	228	301	96	114	19.5	25	24.0	
8896	27	" " "	♂ ad.	do	221	291	92	106	19.0	25.5	22.5	
8897	27	" " "	♀ ad.	do	224	296	94	109	18.5	25.	22.5	
8898	27	Turdus aonalaschkae	♂ ad.	do	190	305	98	89	13	31	28 [23]	
8899	27	Parus atricristatus	♀ ad.	do	156	236	74	70	11	19	17.5	
8900	27	Thryothorus l.	♂ ad.	do	154	200	60	53	18	22	19.5	
8901	27	" "	♀ ad.	do	144	192	59	51	17	21	19.0	
8902	27	Harporhynchus l. sennetti	♂ ad.	do	292	337	100	136	27.5	37	32	
8903	27	" " "	♀ ad.	do	295	340	104 [104]	134	26	36	32.5	
8904	27	Columbigallina p.	♀ ad.	do	173	276	89	66	11.7	15.3	19.0	
8905	27	Melanerpes aurifrons	♂ ad.	do	274	465	145	96	33.5	25.0	30.	
8906	27	" " X	♀ ad.	do	257	433	134	91	30.0	28 [26]	29.	
8907	27	" "	♀ ad.	do	256	439	135	91	32	24.0	30.5	
8908	30	Peucaea ruficeps	♂ ad.	Los Moras Mt. do	163	212	67	73	13	20.5	19.5	
8909	30	" "	♀ ad.	" " " do	155	203	63	69	12	21	20	
8910	31	Merula migratoria	♂ ad.	do	265	435	143	113	21	32.5	29	
8911	31	Turdus aonalaschkae	♂ ad.	do	187	299	99	78	14	30	22	
8912	31	Cardinalis c. canicaudus	♂ ad.	do	231	304	96	115	20.1	25.5	24.5	
8913	31	Zonotrichia intermedia	♂ ad.	do	190	274	85	84	12.7	25.	22.7	typical. (8913–8914)
8914	31	" "	♀ ad.	do	180	262	84	83	12.6	23.	21.8	
8915	31	Junco hyemalis	♂ ad.	do	162	253	81	74	11.5	21	20	Killed at one shot. (8915–8918)
8916	31	"	♀ ad.	do	163	248	80	74	11.3	21	20	
8917	31	" hyemalis	♂ ad.	do	156	241	77	68	11.	22	19.5	
8918	31	" hyemalis	♂ ad.	do	160	244	79	70	12.	21	20	
8919	1893 Jan. 1	Anthus pensilvanicus	♀ ad.	do	163	265	84	70	13	20	20	hte 20; cl., 11mm.
8920	"	" "	♀ ad.	do	162	262	84	70	12.3	22	19	hte., 18.5; cl., 9mm.
8921	"	" "	♂ ad.	do	169	271	87	72	13.2	22.5	18	hte., 19; cl., 9mm.
8922	"	Sturnella neglecta	♀ ad.	do	233	376	118	77	30	35.5	33	
8923	"	" "	♀ ad.	do	235	386	120	75	31	36.5	33.5	
8924	Jan. 3	Sialia arctica	♂ ad.	do	192	357	123	80	14	22.2	21.2	
8925	"	" "	♀ ad.	do	175	332	111	72	13	22.5	21	
8926	"	Oroscoptes montanus	♂ ad.	do	220	330	105	100	18	32.5	25	Iris yellow.
8927	"	Zonotrichia leucophrys? intermedia?	♀ juv.	do								Not measured.
*8928	"	Picus scalaris bairdii	♀ ad.	do								do Shot by Mrs. Mearns

No.	1893 Jan.	Name	Sex and Age	Locality
* 8929	3	Cardinalis c. canicaudus	♂ ad.	Fort Clark, Texas
8930	3	Amphispiza bilineata	♂ ad.	do
8931	3	" "	♂ ad.	do
8932	3	Auriparus flaviceps	♂ ad.	do
8933	4	Agelaius phoeniceus	♀ ad.	do
8934	4	" "	♀ ad.	do
8935	4	Molothrus ater	♀ ad.	do
8936	4	" "	♀ ad.	do
8937	4	Embernagra rufivirgata	♀ ad.	do
8938	4	Melanerpes aurifrons	♂ ad.	do
8939	4	" "	♀ ad.	do
8940	4	Cistothorus palustris	♀ ad.	do
8941	4	Pipilo maculatus arcticus	♂ ad.	do
8942	4	" " "	♂ ad.	do
8943	4	Regulus calendula	♀ ad.	do
8944	7	Sturnella neglecta	♂ ad.	Strickland Spring, 11 miles of Ft. Clark, Texas.
8945	7	Buteo borealis	♀ ad.	do
8946	7	Clangula hyemalis	♂ juv.	Fort Clark, Texas
8947	9	Melanerpes aurifrons	♂ ad.	do
8948	9	" "	♂ ad.	do
8949	9	" "	♀ ad.	do
8950	9	Sayornis phoebe	♀ ad.	do
8951	9	Pipilo maculatus arcticus	♀ ad.	do
8952	9	Junco hyemalis	♂ ad.	do
8953	9	Melospiza lincolni	♂ ad.	do
8954	9	" "	♂ ad.	do
8955	9	Spinus tristis	♀ ad.	do
8956	9	Lanius ludovicianus	♂ ad.	do
8957	9	Parus atricristatus	♀ ad.	do
8958	9	" "	♂ ad.	do
8959	9	" "	♂ ad.	do
8960	9	Thryothorus ludovicianus	♂ ad.	do
8961	9	Parus atricristatus	♀ ad.	do
8962	11	Spinus psaltria mexicanus	♂ ad.	do
8963	11	Otocoris alpestris	♂ ad.	do
8964	11	" "	♀ ad.	do
8965	12	Sialia sialis	♂ ad.	do
8966	12	" "	♀ ad.	do
8967	12	Sialia arctica	♂ ad.	do
8968	12	" "	♂ ad.	do
8969	12	Zonotrichia leucophrys	♀ ad.	do
8970	12	Cistothorus palustris	♀ ad.	do
8971	13	Junco hyemalis?	♀ ad.	do

Length	Alar Expanse	Wing	Tail	Culmen	Tarsus	Middle toe + Claw	Remarks
							*Not measured; shot by Mrs. Mearns.
							Not measured.
149	215	68	67	11.5	18	16.5	
120	178	55	54	9.	16	13.5	
198	325	101	79	20	26.5	26.5	
200	332	105	80	18	26	25	
181	306	97	72	15	23.5	22	
180	298	97	72	15	22.5	22	
161	210	65	68	13	23	19.5	Iris light (slightly reddish) hazel. Bill with maxilla + extreme tip of mandible dusky brownish; mandible flesh-color. Feet and claws light brown.
265	442	136	89	32.7	23.	28.	
×256	437	134	90	30	23.5	28	
130	169	53	49	13	20	16	
222	290	93	107	15	27	27	htc, 22; cl., 11 mm. Iris red.
210	278	90	105	12.5	26.5	26	htc., 20; cl., 10.8 mm. Iris red.
105	177	60	46	8.7	19	13.3	Crown plain.
261	426	130	85	35	42	38	
565	1370	422	240	29	92	67	Cul+cere, 40 cere 16. Iris hazel. Stomach contained Vesperimus swallowed whole. measuring
440	795	230	90	28	38	60	Shot in a shallow, muddy pool.
268	436	134	93	35	23	30	
263	440	135	95	34	25	29	
253	440	135	90	31	24.5	28.5	
176	273	86	76	13.2	17.5	15.0	
210	267	85	102	14.0	26.5	25.5	Htc, 20: Cl., 11.
163	257	83	77	12.0	22.5	21.5	
149	202	64	64	11.5	20.5	18.8	
148	208	66	65	11.0	20.5	19.5	
130	223	71	54	11.0	14.3	15.3	
228	327	104	107	16.0	25.5	22.0	
151	237	75	69	11.2	20.0	19.0	
157	238	77	75	11.5	19.5	18.0	
155	248	78	71	11.0	20.5	17.5	
157	213	65	57	18.0	22.0	21.0	
153	236	74	69	11.2	19.0	17.5	
120	210	69	50	10.	12.2	14	
184	340	109	75	12.8	23	20	htc., 21; cl 13 mm } Mated pair.
175	325	105	70	10.	21	18	htc 17.5; cl 10 mm } Mated pair.
180	324	105	70	13	21	22	
171	305	100	66	13	19.5	20	
195	355	119	79	14	22	21	
184	349	115	75	14	22	19.5	
174	245	78	78	12	22	22	
142	182	58	54	14	21	17.5	
158	240	77	72	12	21.5	19.0	

No.	Jan. 1893	Name	Sex and Age	Locality	Length	Alar expanse	Wing	Tail	Culmen	Tarsus	Middle toe and claw	Remarks	
8972	13	Parus atricristatus	♂ ad.	Ft. Clark, Texas	160	249	79	74	11.5	20	18		
8973	13	Cardinalis c.	♂ ad.	do	222	303	93	108	19.0	25	24		
8974	13		♂ ad.	do	225	303	98	110	19.0	26	23		
8975	13	Melanerpes aurifrons	♀ ad.	do	253	435	131	87	29.5	22	27		
8976	13	" "	♀ ad.	do	263	440	135	96	30.0	23	28		
8977	14	Cardinalis c.	♀ ad.	do	216	282	91	104	17.	24.5	23	Found dead.	
8978	14	" "	♂ ad.	do	232	308	96	116	20	25.	23.5	Caught in mammal trap.	
8979	14	Harporhynchus l. sennetti	♀ ad	do	296	337	104	137	29	37	30.5	Iris yellow.	
8980	14	Thryothorus l. lomitensis?	♀ ad.	do	148	196	58	54	16	20.5	19.5		
8981	15	Cardinalis c.	♂ ad.	do	220	296	95	109	19.	25	23.5	Caught in mammal trap.	
8982	16	" "	♂ ad.	do	227	297	95	112	18.	25	22.0	do	
8983	16	Harporhynchus l. sennetti	♂ ad.	do	305	349	107	140	29	36	31.0		
8984	16	Gallinago delicata	♂ ad.	do	272	435	136	66	64	33	36.0		
8985	16	" "	♀ ad.	do	277	442	140	63	63	32	36.0		
8986	16	" "	♂ ad.	do	280	442	136	62	65	31	37.0		
8987	17	Buteo borealis	♂ ad.	do	552	1345	412	240	28	93	65.0	Emaciated; stomach empty. Was trying to catch a chicken in a barnyard.	
8988	31	Embernagra rufivirgata	♂ ad.	do	170	225	68	70	14	22	20	Caught in mammal-trap.	
8989	Febr. 2	Cardinalis c.	♀ ad.	do	222	290	90	103	17	25	21.5	do	
8990	3	Merula migratoria	♂ ad.	do	274	445	148	119	20	34	28	7. ~~toe~~ claw	
8991	3	Pipilo maculatus arcticus	♂ ad	do	214	280	87	101	13	28	26.5	24, hte. 12, claw.	
8992	3	Embernagra rufivirgata	♂ ad.	do	168	223	67	70	14	23	20	5. cl.	
8993	3	Thryothorus l. lomitensis	♀ ad.	do	148	195	60	55	17	21	19	5.7. cl.	
8994	4	Falco sparverius	♂ ad.	do	280	585	193	134	12.2	38	32	10. cl. Stomach contained grasshoppers.	
8995	4	Cardinalis c.	♀ ad.	do	223	297	94	107	17.5	25.5	23	Caught in mammal trap.	
8996	4	" "	♀ ad.	do	222	285	87	103	18.5	24.0	22	do.	
8997	4	Melospiza fasciata	♂ ad.	do	170	227	70	78	13	21	20.5		
8998	6	Cardinalis c	♀ ad.	do	228	293	93	110	17.5	26	25		
8999	7	" "	♀ ad.	do	223	290	89	105	18.0	24	23		
9000	7	" "	♀ ad	do	220	292	92	108	18.0	24	23		
9001	7	Colinus v. texanus	♀ ad	do	220	355	111	64	12.5	29	31		
9002	8	Cardinalis c.	♀ ad.	do	219	287	90	107	18	25	22		8.
9003	9	" "	♀ ad.	do	220	290	90	108	17	23	21.5	Caught in mammal trap.	8
9004	9	" "	♂ ad.	do	238	310	98	118	20.5	24.5	23	do	
9005	10	" "	♂ ad.	do	226	300	94	112	18.5	27	24	do	5
9006	10	" "	♂ ad.	do	213	284	86	101	17	25	23	do	5.
9007	11	" "	♀ ad.	do	226	289	90	108	19	24.5	23	do	
9008	12	Sialia mexicana	♂ ad.	do	172	323	107	70	12.3	20.5	18.5		
9009	12	" "	♀ ad.	do	170	325	108	69	11.0	22.	20.		
9010	12	Melanerpes aurifrons	♀ ad.	do	257	426	134	90	30.5	23	29		2
9011	12	Geococcyx californianus	♂ ad	do	572	545	167	295	48	63	45	Molting {Stomach contained 2 large tarantulas, beetles, grasshoppers and other insects.	3
9012	12	Bubo virginianus subarcticus	♀ ad.	do	520	1340	385	215	31	60	73	{This owl would soon have laid eggs. Stomach contained the hair & bones of a Cottontail.	2
9013	18	Agelaius phoeniceus	♂ ad.	*Head of tibia to end of claws, 233. do	234	380	123	101	24	30	31	Shot by Major Rose (of Libby Prison fame).	
9014	22	Numenius longirostris	♀ ad.	(233.) do	587	980	277	109	173	84	44	* Iris - very dark brown. Length to end of claw, 700.	
8971	13	Junco hyemalis	♀ ad.	do									

No.	1893 Febr.	Name	Sex and Age	Locality	Length	Alar Expanse	Wing	Tail	Culmen	Tarsus	Middle toe and Claw	Remarks
√ 9015	22	Salpinctes obsoletus	♀ ad	Ft. Clark, Kinney Co., Texas	162	235	72	56	19	21.5	18.5	Given me by Lieut. Grote, who caught it in his bedroom.
√ 9016	"	Thryothorus bewickii bairdii	♂ ad.	do	144	192	58	58	15	19.0	17.0	
√ 9017	"	Cardinalis cardinalis canicaudus	♀ ad.	do	230	303	95	114	19.5	25.0	23	
√ 9018	"	Parus atricristatus	♀ ad.	do	160	243	75	70	11.0	20.0	18	
√ 9019	"	Spinus tristis	♂ ad	do	132	—	75	54	10.8	13.5	16	
√ 9020	"	Dendroica coronata	♀ ad.	do	142	225	73.	59	9.2	19.0	16	
√ 9021	24	Sayornis phoebe	♂ ad.	do	181	290	90	77	15	18	16.5	
√ 9022	24	Quiscalus macrourus	♂ ad.	do	476	608	198	241	44	52	49	Iris straw-color. Bill & feet black
√ 9023	24	Spinus tristis	♂ ad.	do	130	232	75	55	10.5	13.5	15.5	
√ 9024	25	" "	♀ ad.	do	129	226	72	51	11.0	14.0	16.0	
√ 9025	25	" "	♀ ad.	do	127	221	71	50	10.0	13.5	15.0	
√ 9026	25	" "	♀ ad.	do	128	219	71	50	10.0	13.5	15.0	
√ 9027	25	" "	♀ ad.	do	134	222	70	49.	11.0	13.4	15.2	
√ 9028	25	" "	♀ ad.	do	126	228	72	49.0	10.5	14.0	16.0	
√ 9029	25	" "	♂ ad.	do	134	230	74	51.5	11.0	13.5	16.0	
√ 9030	25	Quiscalus aeneus	♀ ad.	do	304	419	130	124	30	35	34	Iris, straw color. Sex positively ♀.
√ 9031	25	Colinus virg. texanus	♂ ad.	do	260	387	117	73	15	35	36	
√ 9032	25	Melospiza fasciata	♂ ad.	do	175	234	74	83	12.2	22	21.5	
√ 9033	25	Melanerpes aurifrons	♀ ad.	do	258	434	133	90	29	24	28	
√ 9034	25	Mimus polyglottos X	♂ ad.	do	X 269	380	120	133	17.	34	28.5	
√ 9035	25	Pipilo maculatus arcticus	♀ ad.	do	215	280	86	106	13.5	28	26	
√ 9036	25	Sturnella neglecta	♀ ad.	do	238	375	116	75	30	36	32	
√ 9037	~~March~~ 28	Gallinago delicata	♀ ad	do	285	447	137	63	68	33	38	Head of tibia to end of claw; 122.
√ 9038	March 4.	Agelaius phoeniceus	♂ im.	do								
√ 9039	4.	" "	♂ im.	do								
√ 9040	4.	Colaptes cafer	♂ ad.	do	342	566	175	133	36	31.5	35	
√ 9041	4	Accipiter velox	♂ im.	do	302	555	175	148	10	45.0	38	Iris and feet yellow.
√ 9042	4	Thryothorus l.	♀ ad.	do	146	190	60	50	16.5	21	19	Contained an egg ready for oviposition.
√ 9043	6	Molothrus ater	♂ ad.	do	210	345	112	85	18.	26	25	Trapped in yard.
√ 9044	6	" "	♂ ad.	do	201	350	113	82	16.5	25	24.5	do
√ 9045	6	" "	♂ ad.	do	202	341	111	85	16.7	25.5	24.5	
√ 9046	6	" "	♂ ad.	do	204	345	112	80	17.0	24	23.5	
√ 9047	7	" "	♂ ad.	do	201	342	111	83	17.0	25	24.5	
√ 9048	7	" "	♂ ad.	do	200	340	108	77	16.3	26.0	25.0	
√ 9049	7	" "	♂ ad.	do	196	339	109	77	18.0	24.2	24.2	
√ 9050	7	" "	♂ ad.	do	206	349	115	87	17.5	24.5	24.0	
√ 9051	7	Scolecophagus cyanocephalus	♀ ad.	do	243	392	126	100	19.0	31.0	28.0	
√ 9052	8	Molothrus ater	♂ ad.	do	203	352	115	80	18.0	26.0	26.0	
√ 9053	8	" "	♀ ad.	do	179	301	97	70	15.0	23.0	21.0	
√ 9054	8	" "	♀ ad.	do	178	303	99	71	15.0	23.0	23.0	
√ 9055	8	Geococcyx californianus	♂ ad.	do	570	530	174	290	48	59	42	
√ 9056	8	Colinus virg. texanus	♂ ad.	do	247	372	114	70	14	32	33	
√ 9057	8	" " "	♂ ad.	do	252	370	113	73	13.5	35	37	
√ 8971	13	Junco hyemalis.!	♀ ad.	do								

No.	1893 March	Name	Sex and Age	Locality	Length	Alar Expanse	Wing	Tail	Culmen	Tarsus	Middle toe + Claw	Remarks
9058	8	Mimus polyglottos	♂ ad	Fort Clark, Kinney Co., Texas	270	375	120	130	18	34	30	
9059	8	" "	♂ ad	do	266	375	118	126	20	34	30	
9060	8	Sialia arctica	♂ ad.	do	185	351	118	79	13	23	22	
9061	8	" "	♂ ad.	do	184	356	120	78	15	23	20	
9062	8	" "	♀ ad.	do	184	348	118	78	13.5	22.5	20.5	
9063	8	" "	♀ ad.	do	180	341	115	75	13	23	21	
9064	8	" "	♀ ad.	do	178	335	113	72	13.5	22.5	20.5	
9065	8	" "	♀ ad.	do	180	344	114	72	14	23	21	
9066	9	Stelgidopteryx serripennis	♂ ad	do	×140	308	110	52	8	11	16	
9067	9	Cardinalis c. canicaudus	♂ ad.	do	223	305	95	107	19	27	24	
9068	10	Scops asio maccallii (gray)	♀ ad	do	242	577	170	88	14.4	37	31	Iris yellow. About to lay - contained egg 12 mm in diameter. Stomach filled with remains of insects.
9069	10	Sphyrapicus varius	♀ ad.	do	220	405	130	90	23	22	25	
9070	10	Sialia arctica	♂ ad.	do	192	360	122	77	15	22	20	
9071	10	Calamospiza melanocorys	♂ ad.	do	181	294	94	77	14	23.5	23	
9072	10	" "	♀ ad.	do	177	283	87	73	13	25	23	
9073	10	Oroscoptes montanus	♂ ad.	do	232	327	102	99	18	30	26	
9074	10	Zonotrichia intermedia	♀ im.	do	173	246	77	77	11	23.5	20	
9075	13	Calamospiza melanocorys	♀ ad.	do	171	278	85	69	13	24	21	
9076	14	Stelgidopteryx serripennis	♀ ad.	do	130	300	107	51	6.7	12	15	Caught bet. window sashes in house
9077	15	Colaptes cafer	♂ ad.	do	343	549	173	135	39	35	33	
9078	15	Melanerpes aurifrons	♂ ad.	do	262	438	132	91	34	24	29	
9079	15	Quiscalus macrourus	♂ ad.	do	472	604	200	241	42	52	50	
9080	15	" "	♂ ad.	do	468	608 (603)	197	229	46	56	51	
9081	15	" "	♂ ad.	do	462	603	198	232	43	57	49	Iris straw color; bill + feet black.
9082	18	Molothrus ater	♂ ad.	do	193	335	108	77	17	25	24	Caught in yard (trapped.)
9083	18	" "	♂ ad.	do	196	337	109	79	17	24.5	23	do
9084	20	Speotyto c. hypogaea	♀ ad.	do	240	635	185	90	14.5	46 ~~30~~	30 ~~46~~	Stomach contained remains of numerous insects and a small toad (Bufo) entire. Iris yellow.
9085	22	Quiscalus macrourus	♂ ad	do	487	605	202	250	43	50	49	
9086	22	Progne subis } mated pair building	♂ ad	do								Molting.
9087	22	" "	♀ ad.	do	208	415	148	80	12	15	21	
9088	22	Calamospiza melanocorys	[illegible] ad.	do								
9089	22	Chondestes grammacus	♂ ad.	do								
9090	22	" "	♂ ad.	do								
9091	22	Spizella	♀ ad.	do	136	196	61	63	9.8	18	16	
9092	22	Zonotrichia intermedia	♂ im.	do								
9093	22	Myiarchus cinerascens	♂ ad	do	222	335	104	102	19	24	20	First seen March 20th
9094	22	Polioptila caerulea	♂ ad	do (9095)	132	194	53	52	10.5	17	15.5	} measurements of these two reversed.
9095	22	Helminthophila ruficapilla	♂ ad	do (9094)	129	180	55	57	11	17	11.5	
9096	22	Milvulus forficatus	♂ ad.	do	352	392	128	232	17	20.5	19.5	
9097	22	Melospiza lincolni	♀ ad.	do	×145	202	63	58	11.5	20	19	
9098	23	Myiarchus cinerascens	♂ ad	do	×226	340	106	104	18	24	19	
9099	28	Myadestes?	♀ ad	do	148	267	87	55	12	19.5	17	htc., 18; claw, 10.
9100	28		♀ ad.	do	142	261	83	53	12	18	17	htc., 18; claw, 10.

No.	1893 March	Name	Sex and age.	Locality	Length	Alar Expanse.	Wing	Tail.	Culmen	Tarsus	Middle toe + claw.	Remarks
9101	28	Anthus spraguei	♀ ad	Fort Clark, Kinney Co. Tex.	166	267	81	62	18	24	23.5	Lte., 25; claw, 12.5.
9102	29	Cathartes aura	♂ ad.	do	640	1730	520	255	27	68	85	Iris grayish brown. { Stomach contained pig carrion.
9103	29	Harporhynchus l. sennetti	♂ ad.	do	292	345	105	133	25.5	37	32	Iris yellow.
9104	29	" "	♀ ad.	do	294	324	98	136	26	35	32.5	" "
9105	29	Parus atricristatus	♂ ad.	do	158	248	78	72	11	20	18.5	
9106	29	Myiarchus cinerascens	♀ ad.	do	223	334	104	100	20	23.5	19.5	Stomach contained a Cardinalis
9107	30	Accipiter cooperi (Shot by Chap. Potter)	♂ ad.	do	420	760	233	202	16.5	66	53	Iris, red. (and remains of other birds.
9108	30	Pandion carolinensis (Chaplain Potter)	♀ ad.	do	615	1780	535	250	35	65	74	Iris yellow. Stomach empty.
9109	31	Accipiter cooperi (Chaplain Potter.)	♀ ad.	do	495	885	280	238	19	75	62	{ Mated with No. 9107. Shot as it flew from nest, which, however, had no eggs. Plumage adult, but eye yellow. No. 9107
9110	April 1	Milvulus forficatus	♂ ad.	Strickland Spring, Kinney Co., Tex.	348	387	123	213	17	20	19	♂ ad. had the iris ~~yellow~~ red.
9111	1	Ceryle americana septentrionalis	♂ ad.	do	223	315	88	64	43	10	18	Iris brown. Stomach contained a mass of fish bones & (scales
9112	3	Quiscalus macrourus	♂ ad.	Fort Clark, Kinney Co., Texas.	479	606	198	240	44	50	47	Iris light yellow; bill & feet, black.
9113	3	" "	♀ ad.	do	355	479	156	166	34	42	40	do
9114	3	" "	♀ ad.	do	364	487	156	168	35	43	41	do
9115	3	Compsothlypis americana	♂ ad.	do	116	182	58	43	11	16.5	13.5	First seen; in full spring song.
9116	4	Milvulus forficatus	♂ ad.	do	374	393	126	242	17.5	18.	19.5	Iris, brown.
9117	4	Quiscalus macrourus	♂ ad.	do	475	613	200	232	45	50	50.5	Shot by Chaplain Potter
9118	5	" "	♂ ad.	do	456	586	190	230	41	46	46	
9119	5	" "	♂ ad.	do	482	618	201	234	45	50	48	
9120	5	" "	♂ ad.	do	475	595	193	234	44	49	47	
9121	5	Piranga rubra	♂ ad.	do	206	313	100	88	18.	20.5	20	
9122	5	" "	♂ ad.	do	203	303	96	82	20	20	20	
9123	5	Chondestes "	♂ ad.	do	173	277	87	74	13	19	20.	
9124	6	Quiscalus macrourus	♂ ad.	do	474	604	193	233	46	52	51	
9125	6	" "	♀ ad.	do	Not measured. Skinned by Sergeant Marchment.							
9126	6	" "	♀ ad.	do	362	468	153	166	35	39	39	
9127	6	" "	♀ ad.	do	373	495	162	142	35	42	42	
9128	6	Piranga rubra	♂ ad.	do	204	305	98	83	20	18.5	20	
9129	6	" "	♂ ad.	do	203	308	98	86	20	19	20	
9130	6	" "	♀ ad.	do	203	310	96	83	20	19	20	
9131	6	Icterus spurius	♂ ad.	do	144	240	74	71	16	20	20.5	
9132	6	Dendroica auduboni +	♂ ad.	do +	+ Not measured							
9133	6	Junco hyemalis	♀ ad.	do		do						{ Before this they were fairly numerous. This was the last one seen. A few days ^
9134	6	Spizella	♀ ad.	do		do						
9135	6	"	○ ad.	do		do						
9136	6	"	♀ ad.	do		do						
9137	7	Quiscalus macrourus	♀ ad.	do	356	487	156	162	34	40	39.5	
9138	8	Vireo noveboracensis	♂ ad	Mud Cr., Valverde ~~Kinney~~ Co. Texas	Not measured; iris white.							
9139	8	Dryobates scalaris	♂ ad.	do		do	} Pair					
9140	8	" "	♀ ad.	do		do						
9141	10	Quiscalus macrourus	♂ ad.	Fort Clark, Texas	443	590	188	213	43	48	49	Shot by Chaplain Potter.
9142	11	" "	♀ ad.	do	364	480	156	178	33	40	39	do
9143	12	" "	♂ ad.	do	473	618	200	233	45	52	50	

No.	April 1893	Name	Sex and age	Locality	Length	Alar extent	Wing	Tail	Culmen	Tarsus	Middle toe and claw	Remarks
9144	14	Piranga rubra	♂ ad.	Ft. Clark, Kinney Co., Texas	199	315	103	86	20	18.2	18.5	
9145	14	Icteria virens	♂ ad.	do	203	266	83	92	15.3	28	22	
9146	14	Parus atricristatus	♂ ad.	do	160	247	78	75	11	20	17	
9147	14	Chondestes gr.	♀ ad.	do	170	273	85	68	13	20	19	
9148	14	"	♂ ad.	do	173	278	89	76	12.5	20	20.5	
9149	14	Amphispiza bilineata	♂ ad.	do	146	216	69	65	10.5	18	16	
9150	15	Vireo belli	♂ ad.	do	128	189	58	50	11.0	19.5	14	
9151	16	Geococcyx californianus	♂ juv.	do	Nest contained 3 young & 2 eggs							Stomach contained 2 good sized lizards besides this one.
9152	16	Cardinalis c. canicaudus	♂ ad.	do	231	310	97	114	18.3	25	24	
9153	16	" " "	♂ ad.	do	227	306	95	111	18	24.5	24	
9154	16	Icterus spurius	♂ ad.	do	175	250	79	75	16.5	20.5	18.5	
9155	16	Chondestes grammacus	♂ ad.	do	171	276	86	72	12	20	21	
9156	17	Milvulus forficatus	♂ ad.	do	370	395	130	242	16.2	19	21	
9157	17	" "	♀ ad.	do	286	370	116	162	18	18	20	
9158	21	Myiarchus crinitus	♂ ad.	do	227	339	109	101	19	21	20	
9159	21	Molothrus ater	♀ ad.	do	177	307	99	73	16	23.5	24.2	
9160	21	Spizella pallida	♀ ad.	do	135	195	60	62	9	19	16.8	
9161	21	Vireo noveboracensis	♀ ad.	do	126	188	56	50	11	19.5	16.	} Pair with nest. Irides white. Singing
9162	22	" " +	♂ ad.	do	+ 133	198	62	55	11	20	15.X	}
9163	22	Piranga rubra	♂ ad.	do	197	309	100	83	19.5	20	20.2	
9164	22	Guiraca caerulea	♂ ad.	do	187	290	92	77	18	21.5	24	
9165	22	Icteria virens	♂ ad.	do	190	251	80	85	15	26	22.5	
9166	22	Troglodytes bewickii	♂ ad.	do	140	181	57	59	15	18	17.	
9167	22	Trochilus	♀ ad.	do	98	119	47	28	20.5	—	—	
9168	22	Icterus spurius	♂ ad.	do	172	245	77	72	16	21.5	20	
9169	24	Icteria virens	♂ ad.	do	197	263	83	88	14	27	23	
9170	24	Piranga rubra	♂ ad.	do	202	315	100	84	19	20	21	
9171	24	" "	♀ ad.	do	193	302	93	76	20	21	20	
9172	24	Helminthophila ruficapilla	♀ ad.	do	117	188	58	46	10.2	17.3	14	
9173	24	Petrochelidon lunifrons	♀ ad.	do	146	305	108	53.5	8.	13.	17.	
9174	24	Vireo olivaceus	♀ ad.	do	153	250	79	54	14.2	18	15.	
9175	24	Myiarchus cinerascens	♂ ad.	do	225	330	104	99	20	24	20	
9176	24	Chondestes grammaca	♂ ad.	do	175	292	94	78	14	20	19.2	
9177	24	Cardinalis c. canicaudus	♂ ad.	do	Not measured							Shot by Chaplain Potter.
9178	25	Piranga rubra	♂	do	202	318	98	82	19	21	21	do Sex ♂ pl. like ♀
9179	29	Milvulus forficatus	♀ ad.	do	309	384	121	180	18	18.5	20	Parent nest 5 eggs.
9180	29	Chondestes gr.	♀ ad.	do	170	260	83	72	13	18	18	Parent nest 4 eggs.
9181	29	Chordeiles texensis	♂ ad.	do	223	378	198	104	7.2	13	19	
9182	29	Calamospiza melanocorys	♂ ad.	do	Not measured							Extraordinarily fat. From flock of 50.
9183	29	" "	♂ ad.	do		do						
9184	29	" "	♀ ad.	do		do						
9185	29	Quiscalus macrourus	♂ ad.	do		do						
9186	29	~~[illegible]~~ Piranga rubra	♂ ad.	do	Shot & skinned by Sergeant Marchment							

No	May 1893	Name	Sex and Age	Locality	Length	Alar Expanse	Wing	Tail	Culmen	Tarsus	Middle toe and Claw	Remarks
9187	9	Progne subis	♂ ad.	Ft. Clark, Kinney Co., Texas.	210	424	150	81	12	15.5	23	
9188	9	" "	♂ ad.	do	206	413	148	80	11.5	14.5	22	
9189	9	" "	♂ ad.	do	207	425	153	83	12	15	22	
9190	9	Hirundo erythrogastra	♀ ad.	do	178	322	118	85	8	11	18	Parent of No. 9191.
9191	9	" "	♂ juv.	do								Young of year (progeny of above.)
9192	9	Myiarchus cinerascens	♀ ad.	do	224	326	101	100	18.3	22	18	
9193	1892 Nov. 18	Auriparus flaviceps	♀ ad.	do	Shot Nov. 18, 1892 by Lieut. Ord.							
9194	May 15	Passerina ciris	♂ ad. ×	do	×150	230	73	60	10.8	19	17	
9195	15	Piranga rubra	♂ ad.	do	202	313	103	85	19.5	19.5	20	
9196	15	" "	♂	do	193	306	97	81	17.2	21	20	
9197	15	" "	♀ ad.	do	200	305	95	79	20.5	21	20	
9198	15	Empidonax acadicus?	♀ ad	do	148	224	72	60	12	15	12.7	
9199	15	Contopus borealis	♀ ad.	do	196	327	109	76	17	16	18	
9200	15	Myiarchus crinitus?	♂ ad.	do	236	345	106	102	21.5	23.5	20.5	
9201	15	Coccyzus americanus	♀ ad.	do	300	430	146	147	25	28.5	27	Egg ready to lay.
9202	15	Vireo olivaceus	♂ ad.	do	167	260	85	63	15	18.5	16	
9203	15	Spinus psaltria mexicanus	♂ ad.	do	114	205	66	48	10	12	14	
9204	15	Quiscalus macrourus	♂ ad.	do								
9205	15	Agelaius phoeniceus	♂	do	220	365	117	90	22	30	29	
9206	15	Parus atricristatus	♀ juv. 1st plumage.	do								This & No. 9207 were still with their parents and were killed at same shot.
9207	15		♂ juv. "	do								
9208	16	Piranga rubra	♂ ad.	do	203	320	102	83	20	20.7	20	
9209	16	" "	♂	do	202	310	100	83	20	21.3	21	
9210	16	" "	♂	do	207	323	102	84	20	21.0	20.5	
9211	16	Icteria virens	♂ ad.	do	200	265	82	93	15	27.0	23.0	
9212	16	Coccyzus americanus	♂ ad.	do	297	406	140	150	24.0	25.3	26.0	
9213	16	" "	♂ ad	do	304	409	142	153	26.5	25.0	26.5	
9214	16	Spinus psaltria mexicanus	♂ ad.	do								
9215	16	" " "	♂ ad.	do	118	209	67	48	10.0	12.7	15.0	
9216	16	" " "	♂ ad.	do	116	203	65	46	10.8	12.3	14.0	
9217	16	Agelaius phoeniceus	♂ ad. (See p. 107.)	do	234	384	125	97	24	29	30	Parent set 3 eggs. See page 107
9218	16	Chondestes grammacus	♀ ad.	do	167	268	85	71	12.3	21	19.5	
9219	16	Icterus spurius	♀ ad. (See p. 106)	do	172	235	74	72	16.0	20	19.0	Parent set 5 eggs (Set No. 4083).
9220	17	Chordeiles texensis	♂ ad.	do	232	585	200	107	7	14	19	See page 106
9221	17	Harporhynchus l. sennetti	♂ ad.	do	307	340	103	135	29	38	32	
9222	17	Ceryle americana septentrionalis	♀ ad.	do	221	313	87	64	36	10.5	17	
9223	17	Agelaius phoeniceus	♂ ad. } See p. 107	do	242	393	127	102	24	30	29	} Mated pair taken with nest + 4 eggs, 2 of which were broken. See p. 107
9224	17	" "	♀ ad.	do	197	317	102	78	21	27	27	
9225	17	Icteria virens	♀ ad.	do	186	246	76	79	15.5	27	23	
9226	17	Piranga rubra	♂ ×	do	×197	290	91	78	19	20	19.5	Spotted red + olive.
9227	20	Icteria virens	♂ ad	do	186	247	78	80	14	27	21.5	
9228	20	Agelaius phoeniceus	♂ ad.	do	232	383	125	96	23.5	30	20	
9229	20	Guiraca caerulea	♂ ad.	do	181	290	91	72	16	20.7	23	

No.	May 1893	Name	Sex and Age	Locality	Length	Alar Expanse	Wing	Tail	Culmen	Tarsus	Middle toe and claw	Remarks
9230	20	Icterus spurius	♂ ad.	Ft. Clark, Texas	174	255	81	74	17	21	19.6	
9231	20	Parus atricristatus	♂ ad.	do	154	243	78	69	11.8	20	18	
9232	20	Vireo noveboracensis	♂ ad.	do	132/132	197	62	54	11.5	19.5	15	
9233	20	Contopus virens!	♀ ad.	do	156	251	81	67	13	13	12.	
9234	22	Passerina ciris	♀ ad.	do		145	220	Tail 56 67	11	19.5	18	
9235	22	Myiarchus crinitus	♂ ad.	do	240	345	105	103	21	25	21	
9236	22	" "	♀ ad.	do	228	338	102	98	21.5	23	20.	
9237	22	" "	♂ ad.	do	238	339	104	104	21.5	22.5	20	
9238	22	Coccyzus americanus	♀ ad.	do	300	435	148	143	27.5	26	26	Parent of nest + 4 eggs.
9239	22	Vireo olivaceus	♂ ad.	do	160	254	82	59	13	19.5	16	
9240	22	Thryothorus ludovicianus.	♀ juv.	do								
9241	22	Spinus psaltria mexicanus	♀ ad.	do	118	202	65	43	9.5	13	15	
9242	22	" " "	♀ ad.	do	117	204	65	44	9.2	13	15	
9243	24	Coccyzus americanus	♂ ad.	do	295	420	144	149	25	28	26	Shot by Chaplain Potter
9244	24	Tame Canary	♂ ad.	do	Presented by Mrs Lucy Ord Mason. Imported Canary from Japan							
9245	24	Melanerpes aurifrons	♂ ad.	do	Shot by Chaplain Potter, U.S.A.							
9246	June 1	Quiscalus macrourus	♂ ad.	do								Shot by Chaplain Joseph A. Potter, U.S.A.
9247	1	" "	♀ ad.	do	374	492	157	177	34	42	39	do
9248	1	" "	♀ ad.	do	362	469	155	165	34	38.5	36	do
9249	1	" "	♀ ad.	do	364	488	158	171	35	43	40	do
9250	1	" "	♀ ad.	do	365	481	158	168	34.5	42	39	do
9251	1	" "	♀ juv.	do								do
9252	1	" "	♂ juv.	do								do
9253	1	" "	♂ juv.	do								do
9254	1	" "	♂ juv.	do								do
9255	1	" "	♂ juv.	do								do
9256	1	" "	♀ juv.	do								do
9257	1	" "	♀ juv.	do								do
9258	1	" "	♀ juv.	do X		X						do
9259	8	Coccyzus americana	♂ ad.	Fort Hancock, Texas	295	426	147	154	26	26	25	
9260	8	Callipepla gambeli	♂ ad.	do	276	371	117	105	11	30	36	
9261	8	Icteria virens	♂ ad.	do	196.	260	82	89	15	28	22	
9262	8	Vireo belli pusillus?	♂ ad.	do	132	191	60	55	10.8	20	14.	
9263	8	Dendroica aestiva	♂ ad.	do	129	203	65	53	11.7	19	15	
9264	8	" "	♂ ad.	do	129	209	68	52	11.3	19	16	
9265	8	Dryobates scalaris bairdi	♀ ad.	do	189	330	103	68	21.5	18	18.5	
9266	8	Ægialitis vocifera	♂ ad.	do	not measured							
9267	9	Dendroica aestiva	♂ ad.	do	124	190	60	49	10.8	19.	15	
9268	9	Coccyzus americanus	♂ ad.	do	294	410	143	153	25.3	26	25	
9269	9	Callipepla gambeli	♂ ad.	do	283	365	115	106	11	32	36	
9270	9	Icteria virens	♂ ad.	do	190	259	80	87	15.	26	23	
9271	9	Piranga rubra	♂ ad.	do	215	336	109	92	21.5	21.5	21.5	Iris grayish brown. Bill yellowish olive. Feet plumbeous.
9272	9	Vireo s. plumbeus?	♂ ad.	do	149	250	80	62.	12.8	19.5	17.	Iris dark hazel; bill blue-black; feet dark plumbeous

92	1893 June	Name.	Sex and Age	Locality.	Length	Alar Expanse	Wing	Tail	Culmen	Tarsus	Middle toe and Claw	Remarks.
9273	9	Contopus richardsoni ?	♂ ad.	Fort Hancock, Texas.	167	280	93	74	13.2	13.8	13.7	
9274	9	Chondestes grammaca strigatus	♂ ad.	do	~~210~~	~~310~~	~~97~~	~~94~~	~~18~~	~~22.5~~	~~18.2~~	175; 284; 91; 78; 13.4; 19.6; 20.2mm.
9275	9	Contopus richardsoni	♀ ad.	do	165	249	83	64	12.	12.	12.3	Contained an egg 12mm in diameter.
9276	9	Myiarchus cinerascens	♀ ad.	do	210	310	97	94	18	22.5	18.2	
9277	9	Mimus polyglottos	♂ ad.	do	266	361	117	126	18.5	32	29	
9278	9	" "	♂ ad.	do	259	360	113	121	20	34.5	30	
9279	9	Chordeiles	♂ ad.	do	228	553	193	114	6.4	14	20	Gizzard contained 12 (!) large Cicadas.
9280	9.	Molothrus ater obscurus	♀ ad.	do	167	~~180~~ 280	~~?~~ 90	66	15	22	23	
9281	10	" " "	♂ ad.	do		189	329	106	76	18	25.5	; 24.5mm.
9282	10	Zenaidura macroura	♀ ad.	do	291	437	148	139	13	21	24	Parent 2 eggs.
9283	10	Callipepla gambeli	♂ ad.	do	276	377	117	104	11.	32	37	Calling in cottonwood-top when shot
9284	10	" "	♂ ad.	do	276	374	119	104	11.3	31	35	do
9285	10	Coccyzus americanus	♂ ad.	do	293	410	145	149	24	25	25	
9286	10	" "	♀ ad.	do	303	430	148	154	26	26	25.6	
9287	10	Piranga rubra	♂ ad.	do	213	336	108	91	21	21.5	21.5	
9288	10	" "	♂ ad.	do	204	323	102	85	20	20.5	21.2	
9289	10	Vireo plumbeus ?	♂ ad.	do	152	256	83.	64	11.8	19.2	16.2	Mated and breeding.
9290	10	Contopus richardsoni ? +	♂ ad.	do +	159	262	85	69	12.8	14	12	
9291	10	Dendroica aestiva	♀ ad.	do	125	195	60	47.	10.3	19	15	Parent nest + 1 egg. Nest contained 1 egg + 1 young.
9292	10	" "	♀ ad.	do	127	195	61	49	10.5	19	15	
9293	10	Trochilus alexandri	♀ ad.	do	98	121	49	29	20	4.8	7.	
9294	10	Dendroica aestiva	♂ ad	do	129	201	65	53	11	19	15	Parent nest + 1 egg. mated with No. 9291.
9295	11	" "	♂ ad.	do	129	205	66	52	11.2	14	15.4	
9296	11	Contopus richardsoni	♂ ad.	do	160	267	87	70	13.3	13.5	13.3	Parent nest + 2 eggs. mated with No. 9297
9297	11	" "	♀ ad.	do	153	260	83	64	12.	14.	12.5	do
9298	11	" "	♀ ad.	do	156	258	83	65	12.8	13.5	12.	
9299	11	Piranga rubra	♂ ad.	do	202	315	100	83	21.	20.8	20.7	
9300	11	" "	♂ ad.	do	215	340	107	86	22.	21.	22.	
9301	11	Icteria virens	♂ ad.	do	200	260	84	90	15.3	26	21.5	Parent of nest + 1 eggs taken + preserved.
9302	11	Vireo plumbeus ?	♂ ad.	do	150	253	83	62	12.	19.5	16.	Singing when shot, in cottonwood.
9303	11	Carpodacus frontalis mexicanus	♂ ad	do	161	256	82	70	11.3	18.	20.	
9304	11	Dryobates scalaris bairdi	♂ ~~ad.~~ juv.	do								
9305	11	Callipepla gambeli	♂ ad.	do	275	375	116	98	11.1	30	35.5	
9306	11	" "	♂ ad.	do	283	378	117	105	11.2	33	39.	
9307	11	Corvus cryptoleucus	♀ ad,	do	520	1065	350	220	55	61	55	height of bill, 23.5mm.
9308	12	Chordeiles	♀ ad.	do	223	531	182	110	6.7	14	20	} Mated pair; probably had "nest."
9309	12	"	♂ ad.	do	230	551	192	117	6.9	14.5	20	}
9310	12	Coccyzus americana	♀ ad,	do	314	432	149	154	26	26.2	27.2	Contained full-sized egg.
9311	12	" "	♀ ad,	do	310	428	149	154	27	27.2	27.2	
9312	12	Geothlypis trichas occidentalis	♂ ad.	do	134	186	60	56	12	20.5	18.	♀ had nest + young, hence was spared
9313	12	Dendroica aestiva	♂ ad.	do	134	204	66	51	11.5	20	15.5	
9314	12	" "	♂ ad,	do	130	198	63	49	11.	19	16.	
9315	12	" "	♀ ad.	do	127	192	60	47	10.8	19	15.	

No.	1893 June	Name	Sex and Age	Locality	Length	Alar expanse	Wing	Tail	Culmen	Tarsus	Middle toe and Claw	Remarks
9316	12	Vireo plumbeus	♂ ad.	Fort Hancock, El Paso Co. Texas	154	266	84	64	11.8	19	16.5	Iris hazel. Bill bluish black; feet, plumbeous.
9317	12	Piranga rubra	♂ ad.	do	209	324	105	87	20	20	20.5	
9318	12	" "	♂ im.	do	206	317	100	85	21	20.5	21.5	Spotted with reddish + olivaceous
9319	12	" "	♂ im.	do	210	320	102	87	21	20.5	22.3	
9320	12	" "	♀ ad.	do	216	329	105	90	20.2	21.5	22.	do
9321	12	" "	♀ ad.	do	207	321	101	84	21.2	21.2	21.	
9322	13	" "	♀ ad.	do	×205	319	100	83	21.4	21.0	21.3	
9323	13	" "	♂ ad.	do	210	330	104	88	20.7	21.2	20.8	
9324	13	Mimus polyglottos	♂ ad.	do	265	379	118	131	20	35	30	
9325	13	Lanius ludovicianus excubitorides	♂ ad.	do	245	342	106	113	17.7	29	24.5	Parent of No. 9326 } Shot together
9326	13	"	♀ juv.	do								Progeny of No. 9325 } Shot together
9327	13	Guiraca caerulea	♂ ad.	do	188	285	91	80	~~20~~ 18	20	22.8	
9328	13	Icterus bullocki	♀ ad.	do	199	319	100	85	20	26	24	♀ shot. Nest contained young and eggs. Nest preserved.
9329	13	Geothlypis trichas occidentalis	♂ ad.	do	194	250	79	89	15.3	26.5	22	[These measurements belong to No. 9331.]
9330	13	Dendroica aestiva	♀ ad.	do	140	191	57	59	13.	21	19.5	Singing [; these measurements belong to No. 9329]
9331	13	Icteria virens	♂ ad.	do	129	195	60.5	48	11.	19	15	[These measurements belong to No. 9330.]
9332	13	Contopus richardsoni	♂ ad.	do	161	268	88	70	12.7	14	13	
9333	13	" "	♀ ad.	do	154	267	83	67	12	14	11.7	
9334	14	" "	♂ ad.	do	161	268	88	70	13.	14	13	
9335	14	Mimus polyglottos	♂ ad.	do	270	373	119	135	20	33	29	
9336	14	Piranga ~~aestiva~~ rubra	♀ ad.	do	210	324	104	88	20.8	21.3	21	
9337	14	" "	♀ ad.	do	206	320	100	84	21.4	21.5	21.5	
9338	14	" "	♂ im.	do	207	320	101	84	21.	20.5	21.2	
9339	14	Myiarchus cinerascens	♂ ad.	do	217	333	102	101	19	23	18.5	Iris hazel. Bill black. Feet ~~[illegible]~~ grayish black.
9340	14	Vireo belli pusillus?	♂ ad.	do	124 Parent	177	57	52	10.5	19	14.3	Iris hazel. Bill brown above, flesh below; feet bluish. Parent; nest with 4 eggs preserved. [illegible]
9341	14	Passerina ciris	♂ im.	do	146	227	71	59	10.7	20	18.5	Singing.
9342	14	Chelidon erythrogaster	♂ ad.	do	169	308	114	82	6.9	11	16.2	Iris hazel. Bill black; feet purplish black. Testicles enlarged greatly.
9343	14	Petrochelidon lunifrons + Chelidon erythrogaster.	♀ ad.	do do	149	296	107	59	8	12	15.8	Hybrid. Bill, feet, and iris colored like the above specimen (No. 9342) of Chelidon. Ova considerably enlarged.
9344	15	Colaptes cafer.	♂ ad.	do	328	516	160	119	39	28	32	Typical C. cafer
9345	15	Callipepla gambeli	♂ ad.	do	290	383	120	106	12	34	34.5	
9346	15	Piranga rubra.	♀ ad.	do	207	320	102	84	20	21.2	20.6	
9347	15	Mimus polyglottos	♂ ad.	do	266	375	122	129	19.5	34	28	
9348	15	" "	♂ ad.	do	268	372	120	133	20	35	29	
9349	16	Piranga rubra	♂ ad.	do	209	334	107	87	21	21.2	21.6	
9350	16	" "	♂ ad.	do	210	330	108	89	20.8	21.1	21.4	
9351	16	" "	♀ ad.	do	210	323	104	86	22.1	22	22	
9352	16	" "	♂ im.	do	207	310	102	86	20	20	20.5	
9353	16	Contopus richardsonii	♂ ad.	do	165	264	85	72	12.5	13.5	13	
9354	16	Aegialitis vocifera +	♂ ad.	+ do	250	498	162	100	20	36	26	
9355	18	Spinus psaltria	♀ ad.	do	117	208	62	45	10	13	15	
9356	18	Empidonax pusillus?	♂ ad.	do	151	232	72	63	11.8	16	14	
9357	18	Amphispiza bilineata	♂ ad.	do	152	224	69	68	12	19	18	

No.	1893 June	Name	Sex and Age	Locality	Length	Alar Expanse	Wing	Tail	Culmen	Tarsus	Middle toe and Claw	Remarks
√ 9358	18	Harporhynchus crissalis.	♂ juv	Ft. Hancock, Texas								
√ 9359	18	Passerina ciris	♂ ad.	do	157	245	74	62	12.3	20	19.7	
√ 9360	18	Mimus polyglottos	♂ ad.	do	272	377	120	136	20	34	31	
√ 9361	18	Coccyzus americanus	♂ ad	do	290	423	146	145	24.2	26	26	
√ 9362	18	Piranga rubra	♂ ad.	do	211	330	106	89	21	20	21	
√ 9363	18	" "	♂ ad.	do	273	330	104	85	22	22	22	
√ 9364	18	" "	♀ ad.	do	204	320	99	82	20.5	21.2	21	
√ 9365	18	Myiarchus cinerascens	♂ ad.	do	223	330	102	101	20	23	20	
√ 9366	18	" "	♂ ad.	do	227	342	105	103	20	23.5	20.5	
√ 9367	18	Chordeiles	♀ ad.	do	220	535	185	106	6.7	15	20.	
√ 9368	19	Passerina ciris (Testes enormous.)	♂ ad.	Belen, El Paso Co., Texas.	146	230	72	60	10.8	19.2	17.	
√ 9369	19	Anas boschas	♂ juv	Belen do	192	298	95	79	17.2	21.2	23	
√ 9370	19	Guiraca caerulea	♂ ad.	do	145	217	68	61	12	20	18.	
√ 9371	19	Amphispiza bilineata	♀ ad.	do	165	221	68	75	12.2	20	18.7	√
√ 9372	19	Peucaea cassini	♂ ad.	do	158	221	68	67	12.8	21	19.3	√
√ 9373	19	" "	♂ ad.	do	161	221	68	71	13.1	20	20.	√
√ 9374	19	" "	♂ ad.	do	164	221	68	74	12.5	21	19.	√ Bill olivaceous yellow. Feet orange vermilion
√ 9375	19	" "	♂ ad.	do	595	940	277	114	52	45	64	Anas boschas No. 9369. Young male
√ 9376	19	Speotyto cunicularia hypogaea	♀ ad.	do	240	620	178	81	13	46	26.5	Stomach filled with remains of many kinds of insects & bones of small rodent.
√ 9377	19	" "	♂ ad.	do	236	645	185	87	15	47	30	Stomach contained remains of grasshoppers only
√ 9378	19	Agelaius phoeniceus	♂ juv.	do	327	379	119	91	22	29	28.5	
√ 9379	19	" "	♀ ad.	do	205	341	108	81	19	28	26	
√ 9380	19	Pyrrhuloxia sinuata	♀ ad.	do	227	304	95	112	16	26	24	
√ 9381	19	Guiraca caerulea	♂ juv	do	185	296	90.	73	18	21	23	
√ 9382	19	Sturnella	♂ ad.	do	246	407	124	77	33	37	34	Testicles enlarged; singing.
√ 9383	19	"	♂ ad.	do	268	430	132	85	35	39	34	do
√ 9384	19	Callipepla gambeli	♂ ad	do	290	380	120	109	11.2	34	37	
√ 9385	21	Coccyzus americanus	♀ ad.	Ft. Hancock, Texas	308	435	150	157	26	26.5	26.	
√ 9386	21	Chordeiles †	♂ ad.	do	216	538	183	106	7	16	18	
√ 9387	×21	Guiraca caerulea *	♂ ad	do	×187	284	92	79	17.4	21	22.8	
√ 9388	21	" "	♂ ad.	do	181	292	90	73	19.	21	23.5	
√ 9389	21	Chondestes grammacus strigatus	♂ ad.	do	174	290	94	77	14.3	21	21	
√ 9390	21	" " "	♀ ad.	do	173	274	86	72	13.3	21	21.5	
√ 9391	21	Molothrus ater obscurus.	♀ ad.	do	176 ~~200~~	292	95	70.	14.2	23	24	~~Not measured~~
√ 9392	21	Picus scalaris bairdi	♀? juv.	do	209	321	102	95	20.3	21	20.8	
√ 9393	21	Piranga rubra	♂ ad.	do								
√ 9394	21	Vireo plumbeus	♂ ad.	do	156	357	93	62	12.7	20	17.2	A pair together.
√ 9395	21	Icterus bullocki	♀ ad.	do	200	311	100	81	19	24.5	23.	Chin black, but positively ♀.
√ 9396	21	" "	♂ juv.	do	One brood, there were 4 yg. with parents.							
√ 9397	21	" "	♀ juv.	do								
√ 9398	21	" "	♀ juv.	do								
√ 9399	22	Passerina ciris	♂ ad.	do.	148	231	70	64	11	19.5	19	
√ 9400	22	Icteria virens	♂ ad.	do	185	240	75	76	16	27	21.5	

192 | Plants: | 193

No.	1893 June	Name	Sex and Age	Locality	Length	Expanse	Wing	Tail	Culmen	Tarsus	Middle toe and Claw	Remarks
√9401	22	Piranga rubra	♀ ad	Ft. Hancock, Texas.	211	318	100	87	21	21	22	
√9402	23	"	♂ juv. im.	do	212	328	102	89	21	20.5	21.6	
9403	23	Callipepla gambeli	♂ ad.	do	[illegible]3	395	117	109	11.2	31	35	
9404	23	" "	♂ ad.	do	[illegible]2	368	113	102	11.7	31	35	
√9405	23	Carpodacus frontalis	♂ ad	do	[illegible]2	257	84	70	11.5	18	20	
√9406	23	Dendroica aestiva	♀ ad.	do.	25	189	61	48	11	18	14.5	
√9407	23	Coccyzus americanus	♂ ad.	do	[illegible]90	412	141	145	25	25	26	
√9408	23	Erismatura ~~rubida~~ jamaicensis	♀ ad.	do (Rio Grande R.)	380	555	144	87	41	34	63	Shot on the Rio Grande River.
√9409	24	Dendroica aestiva	♂ ad.	do	131	192	61	50	11	17	15.	
√9410	25	Icteria virens	♂ ad.	do	189	255	80	84	15.5	26.5	22.1	
9411	25	Dryobates scalaris bairdi	♂ ad.	do	184	340	106	64	23.3	19	16.	
√9412	25	Myiarchus cinerascens	♂ ad	do	[illegible]21	326	99	98	21.	24.[illegible]	[illegible]1.	[24.5; 21]
√9413	25	Piranga rubra	♀ ad.	do	[illegible]05	310	99	82	20.5	20.5	21.	Iris brownish gray. Bill olive, Head olivaceous (gray)
√9414	25	Guiraca caerulea	♂ ad.	do	192	295	94	80	17	20	22	
√9415	25	Colaptes cafer	♀ ad.	do	230	508	154	124	41	29	32	
√9416	25	Callipepla gambeli	♀ ad.	do	[illegible]46	356	111	95	11.3	31	35	Contained egg ready for extrusion. Was with her mate when shot.
√9417	26	" "	♀ ad.	do	[illegible]8	382	120	104	11.7	32	36	do
√9418	26	Harporhynchus crissalis ×	♀ juv.	do								
√9419	27	Lanius l. excubitorides	♀ juv.	× do								
√9420	28	Icterus bullocki	♀ juv.	do								
√9421	28	Guiraca caerulea	♀ ad.	do	[illegible]78	277	88	72	17	20.5	23.2	
√9422	28	Molothrus ater obscurus	♂ ad.	do	[illegible]2	309	99	75	15.5	23.5	25	Chose to me uttering its "chuck" note
√9423	28	Phalaenoptilus nuttalli	♀ ad.	do	[illegible]27	482	162	102	8.8	19.	22.	Shot on wing at night, as it circled about.
√9424	29	Piranga rubra	♀ ad	do	[illegible]9	308	98	83	20	20	21	
√9425	29	Icterus bullocki	♂ juv.	do								
√9426	29	Dryobates scalaris bairdi	♀ ad.	do	[illegible]50	330	104	64	20.5	16.5	20	
√9427	30	Coccyzus americanus	♀ ad (Egg 33 × 25.7)	do	[illegible]16	439	151	160	28.5	27	27	Flew from nest where she would in a minute have deposited egg taken from oviduct on dissection & preserved. Measured 33 × 25.7.
9428	30	Molothrus ater obscurus	♂ ad.	do	[illegible]92	325	105	79	17	26	26	
[illegible]	[illegible]	[illegible]	♀ ad [illegible]	[illegible]								
[illegible]	[illegible]	Geococcyx californianus	[illegible]	do								
√9431		Pelecanus erythrorhynchos	— ad.	Colorado Desert, Mexican Boundary Line.	See Gaillard's letter for locality, date, etc.							Shot & skinned by Lt. D. D. Gaillard.
9432	1893	Trochilus alexandri	♀ a 1	Col. Desert. Mex. Bd. Line, Cal.								Shot & skinned by Joe Wheeler; see his letter

Fort Clark, Texas, May 15, 1893.

Contopus borealis. – Several seen; not suggesting the Wood Pewee's.

Ardea virescens. – One.

Actitis macularia. – One; the only one seen here.

Passerina ciris. – First seen; several.

Quiscalus macrourus. – First young seen out of their nests; one nest contains young just hatched.

Guiraca caerulea. – One.

Cardinalis c. canicaudus. – Nest with 3 eggs.

Ampelis cedrorum. – One seen.

Parus atricristatus } Parents are now leading

Thryothorus ludovicianus } their families of young.

April 18, 1893. – Caprimulgus carolinensis first heard. Common by April 22.

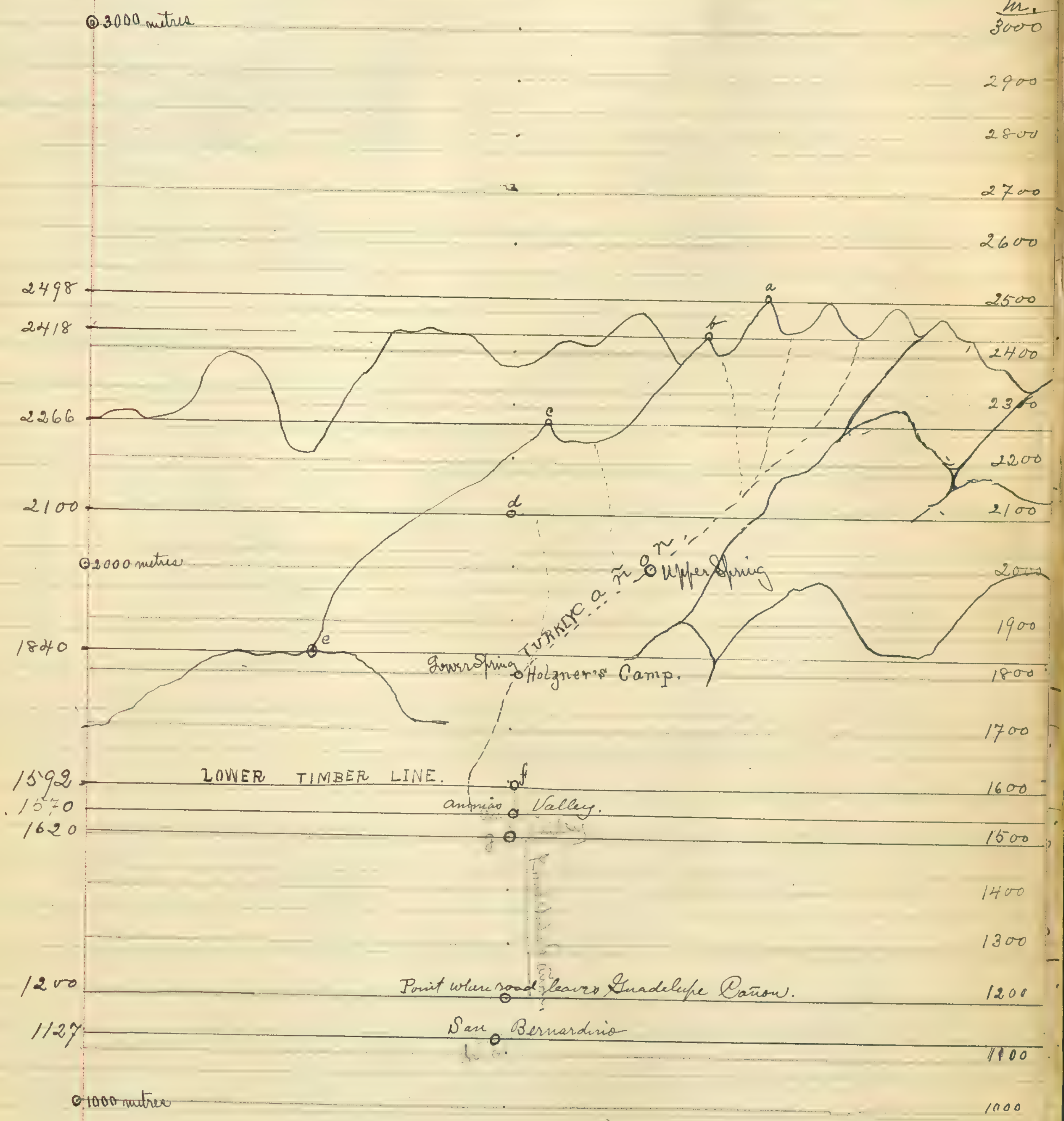
Guiraca caerulea. – First seen April 22, 1893.

Coccyzus americanus ——— First seen April 2?; next seen April 22; common; breeds.

Vertical Range (El Paso to San Bernardino)	Plants: – Name	San Bernardino Ranch to Guadalupe Cañon (1100–1300 metres)	Guadalupe Cañon and Pajon Cañon (1200–1500 metres)	Animas Valley (west of San Luis Mts.) and Playas Valley (east of San Luis Mts.) 1300–1600 metres.	Lower timber line on San Luis Mountains to spring in major cañon (Holguin's Camp) 1600–1800 metres (The Oak Zone)	Lower Spring to white rock, under point C (see diagram) 1800–2100 metres (The Arizona Cypress Zone)	2100–2498 metres (to highest peak) (The Spruce and Pine Zone)
S.B.! – 1900 metres	Platanus ~~occidentalis~~ wrightii	?	Common all the way	Several at and below Holguin's camp + a few above	} <	—	—
1135 (El Paso) – 1600	Populus fremontii.	Common on Streams	Common	Several seen	—	—	—
1135 (El Paso) – 1600	Salix nigra	Common on streams	Common	About water	—	—	—
1200 – 1500	Salix (small-leaved).	Damp arroyos	Common	—	—	—	—
S.B – 1500 (up. Cañ.)	Hackberry	Common	Common	—	—	—	—
S.B – 2300	Fraxinus	Common	Common	Common on edges.	Common on lower edge only.	Common	Highest 2300 m.
1250–1650	Juglans rupestris	?	Common	Common	Common	—	—
1300 – 2498 (?)	Quercus ("white live-oak")	Begins at the hills around Negro Head	Common above 1300 metres	Edges only	The characteristic Tree	Dwarf form perhaps distinct	Dwarf, scrubby, perhaps distinct
1300 – 2100	Quercus ("black live-oak")	?	do	do	do	Scarce and scrubby	—
1650 – 2498	Quercus ("willow-leaved oak")	—	—	—	Commences at about 1650 metres	The characteristic Oak	Dwarf; scrubby; scarce;
1900 – 2498	Quercus (prickly, dwarf oak)	—	—	—	—	Common as a tree commencing about 1900	Common as a prickly shrub.
2100 – 2498	Quercus (white, deciduous oak)	—	—	—	—	—	Common as a (usually) low tree.
1600 – 2498	Manzanita	—	—	—	Common	Common	Common; Dwarfs.
1250 – 1750	Prunus	—	Cajon Cañon Common:	—	Rather Common	—	—
El Paso S.B. to 1750 Animas mts.	Mesquite	Characteristic	Common	Edges	—	—	—
S.B. – 1550	Apoponax	Common next to the sloping mts.	Common	—	—	—	—
S.B – 1650 (Hachita 2350)	Black Cat's-Claw	Common	Common	Edges	?	—	—
S.B – 2000	Fouquiera splendens	Common	Common	Edges	Common	Scarce	Scarce near top.
1800 – 2400	Berberis (repens?)	—	—	—	—	Common	—
1800 – 2100	Viola sp. cucullata	—	—	—	—	Common	—
S.B. to 1500	Arrow-weed (Tessaria borealis)	Common	Common	—	—	—	—
1800 – 2100	Lonicera	—	—	—	—	Common	—
1800 – 2100	Heuchera	—	—	—	—	Common	~~near top~~ ~~Common~~
1200 – 2450	Castilleia (integra?)	Foothills near	Common	Scarce on Edges	~~Common~~ ~~Common~~	~~Common~~ ~~Common~~	~~Scarce, on the very top.~~
1250 – 1650	Juniperus occidentalis	—	Common Only near the top.	Scarce on Edges	Common	Common	Scarce; but found to the top.
1650 – 2498	Juniperus pachyphloea	—		Scarce on edges	Only in Cañons	The characteristic Evergreen	Common to the top.
1650 – 2498	Arizona Cypress.	—	—	—	In cañons Scarce	Common in cañons.	The Characteristic Conifer
1600 – 2498	Pseudotsuga taxifolia	—	—	—	Scarce in Cañons	Scarce in Cañons	More common. Found almost on top.
1600 – 2490	Pinus ponderosa?	—	—	—	Common in cañons	—	—
1600 – 1800	Pinus chihuahuana?	—	—	—	Common on hills	~~Scarce down~~ ~~Common~~	Common Conifer
1500 – 2498	Pinus monophylla	—	Only found near top	—		Scarce down to about 2000	A Common Conifer.
2000 – 2498	Pinus reflexa?	—	—	—	—	—	—
1200 – 1800	Yucca angustifolia	Common	Common	Some seen.	Scarce	—	Scarce; but extends almost to the top.
11~~35~~ El Paso – 2400	Yucca baccata	Common	Common	On edges	Common	Rather Common	
1350 – 2400 (Hachita)	Serrate "Yucca"	On hills near	Common	on edges	Common	Scarce	—
1350 – 2350	Agave americana	Common	Common	Common	Common	Scarce	Up to about 2400 (scarce)
1250 – 2000	Arceuthobium cryptopodum	?	On conifers Common	—	On conifers Common	On conifers Scarce	—
S.B.? – 1650	Phoradendron flavescens.	On Cottonwoods Common	On sycamores & Cottonwoods Common	—	Scarce on oaks	—	—
1500 – 2498	Eriogonum	—	Upper part	Common	Common	Common	Common

Mammals:-

Vertical range.	Name.	San Bernardino Ranch to Guadalupe Cañon (1133–1200 metres)	Guadalupe Cañon and Cajon's Creek (1200–1550 metres)	Animas Valley (west of San Luis Mts.) (1550–1600 metres) Playas Valley (east of San Luis Mts.)	Lower Timber Line, on San Luis Mountain to Spring in main Cañon (Holzner's Camp) 1600–1800 metres (The Oak Zone.)	Lower Spring to a white rock under point c (see diagram) The Arizona Cypress Zone. 1800–2100 metres	2100–2498 metres (the highest peak) The Spruce and Pine Zone.
1133 S.B to 1800 m.	Lepus texianus texianus	(S.B–1800) Common	Rather Common	Scarce owing to lack of cover. Common just below timber line at Eastern base of S. Luis Mt.	Fairly common Light + grayish	—	—
1500–1600	Lepus gaillardi mearnsi ~~callotis + eremicus~~				—	—	—
S.B. – 1600	Lepus arizonae major ~~bachmani?~~	Abundant	Common	not abundant	—	—	—
1600–2498	Lepus floridanus holzneri ~~arizonae major~~	—	—	—	Abundant	Common	Scarce, but found at the highest points.
S.B.– 1550	Dipodomys d. spectabilis	Abundant	—	Common, below timber line on estern side.	—	—	—
S.B –1550	Dipodomys ~~sp. nov.~~ merriami	Abundant	?	do	—	—	—
1133 S.B – 2498	Thomomys fulvus intermedius / Thomomys ~~talpoides~~ umbrinus	?	Signs quite numerous	Common	Common	Common	common.
	Vesperimus						
	Vesperimus						
	Vesperimus						
	Onychomys						
	Sigmodon minimus						
S.B. – 2100	Neotoma intermedia albigula	Quite common	Apparently rather scarce	Scarce	One taken Uncommon Nests.	Scarce	Not noted.
1700 – 2100	Sciurus apache	—	—	—	Not common	Quite Common	Not noted.
1200 –2498	Tamias dorsalis	?	Very abundant	Not seen; Region unsuitable.	Rather common	Common	Fairly common.
1200–2498	Spermophilus grammurus	?	Very abundant	Not seen Region unsuitable	Abundant	Common	Scarce
S.B? –1600	Spermophilus spilosoma	?	?	Common below timber line on eastern side	—	—	—
1500–1600	Cynomys arizonensis	—	—	Common, on both sides, up to timber line	—	—	—
Langs Ranch or San Luis Springs	~~Sorex?~~ Notiosorex crawfordi	?	?	One taken at San Luis Springs, Animas V.	?	?	?
1600 – 1800	Atalapha cinerea	?	?	?	Rather common; One shot.	?	?
–1600	Pale Long-eared Bat. Antrozous pallidus	?	?	Several seen, 1 shot.	?	—	—
S.B.	Free-tailed Bat. Nyctinomus	Abundant	?	?	?	?	?
1650–1750	Small Brown Bat. Myotis ~~lucifugus~~ longicrus	?	?	? ~~Common~~	Common	?	?
? –1800	Small Pale Bat Pipistrellus hesperus.	?	Abundant	Abundant	Common	?	?
1650–1750	Larger Brown Bat. Myotis thysanodes	?	?	?	Abundant	?	?
S.B. – 1500 (up. Cañ.)	Dicotyles torquatus	Common	Common	?	?	—	—
Bavispe R – 2498	Cariacus ~~mexicana~~ couesi	4 on Bavispe River Aug. 1.	Common	?	Common	Common	Common.
1500–1800 on Big Mt.	Cariacus crooki	?	?	?	?	?	?
S.B – 1700 S.L. Mt.	Cariacus macrotis	Horns seen	Common	?	Common on east side	?	?
S.B – 1650	Antilocapra americana	Scarce	—	Very Abundant	—	—	—
1700 – 2498	Ovis montana	—	?	?	Horns east side	?	Signs plentiful
S.B – 2498	Ursus americanus??	Oct., 1891	Common [Cajon Creek]	Common	Common	Common	Common.
S.B. – 1300 (Cajon Cr.)	Procyon	Very common	?	—	—	—	—
? – 2300	Bassaris astuta	?	Common	?	Common	Signs	?
S.B – 2100	Mephitis estor	Common	Common	Common	Common	Common	?
S.B – 1600	Taxidea taxus berlandieri	Scarce	?	Common.	—	—	—
S.B – 2100	Urocyon virginianus scottii	One found dead	Common	?	Common	Common	?
S.B – 1650	Canis latrans	Very Common	Very Common	Very common	?	—	—
1500–1800	Canis lupus	?	?	Quite common	Breeding Common	?	?
– 2100	Lynx baileyi	?	Common	?	Common	Common	?
1200 – 2100	Felis ~~concolor~~ hippolestes aztecus	?	Common	?	Both sides Common	One seen	?
S.B.	Perognathus penicillatus pricei	Common	?	?	?	?	?



2056 *Dicotyles torquatus* ♀ ad. Aug. 11, 1892. Cajon Bonito Creek, Chihuahua. Length to end of caudal vertebrae, 954; tail vertebrae, 65; tail to end of hairs 90; ear above crown, 130; ear above notch, 100; ear, width, 85; distance between eyes, 85; diameter of eye, 15. longest whiskers, 80; From tip of nose to angle of mouth, 110; to eye, 155; to centre of pupil, 170; ear, 245; tip of ear, 360; occiput, 295; end of outstretched hinder extremity, 1260; height of animal at shoulder, 590; from head of humerus to end of hoof, 395; from olecranon to end of hoof, 305; manus (measured in front), 140. Height of animal at hip, 515; from great trochanter to end of hoof, 480; from knee-joint to end of hoof, 340; pes, 210. Distance from "point of shoulder" to great trochanter, 530 mm. Skin and skull pres'd.

2099 *Dicotyles torquatus* ♂ ad. San Bernardino Ranch, Arizona.
2100 ♀ ad. Length, 940 / 920; tail vert., 67 / 65; tail, hairs 116 / 128; ear above crown 102 / 115; ear above notch, 91 / 95; ear, width, 100 / 88; distance bet. eyes, 80 / 80; diameter of eye, 17 / 16; longest whiskers, 104 / 80; Nose to angle mouth, 100 / 105; eye, 155 / 160; centre pupil, 170 / 175; ear, 220 / 235; tip of ear, 345 / 368; occiput, 285 / 300; end of outstretched hinder extremity, 1293 / 1250; height of animal at shoulder, 630 / 610; from head of humerus to end of hoof, 379 / 390; olecranon to end hoof, 296 / 287; Manus (measured in front), 142 / 132; Height of animal at hips, 540 / 520; from great trochanter to end of hoof, 474 / 460; Knee joint to end of hoofs, 320 / 308; pes, 204 / 200. Distance from "point of shoulder" to great trochanter, 540 / 495. Weight, 44 / 46 lbs av. Skins and skeletons preserved. Chest Girth 600 / 580

(Measurements of No. 2100 above those of No. 2099.)

No 2099 is the type of *Dicotyles angulatus sonoriensis*.

Gila Monster (*Heloderma*) caught Aug. 7, 1892 at San Bernardino, measures 515 mm in total length. This is the longest of six thus far captured here. 75.

Initial Monument, Lat. 31° 47′ Long. 7h 6m 6.40s.
Lower Corner Monument " 31° 20′ " 7h 12m 49.819s.
Longitude of monument in Nogales, 7h 23m 46.12s.

Mephitis estor (No. 1936). Color.—with white head-streak. Back & tail white above with a narrow central stripe of black in posterior half of body; residue black.

175 distinct species & subspecies of Birds have been observed up to July 10, 1892; and specimens of nearly all collected.
744 birds and 628 mammals collected up to Aug. 6, 1892.

Nos. 2025 and 2026 *Ursus horribilis horriaeus*. ♂ juv. ♀ a[illegible] length 14[illegible]. (800)
Tail vert. 115 (83) Tail hair. 1[illegible] (140) ear crown 98. (90)
ear notch. 111. (56) dist bet eyes 78. (12) eye. 13. Whiskers 22. (18) tip nose to angle of mouth 116. (80) nose to eye 152. (92) Cent of pupil 162. (99) ear 310. (175) tip of ear 410. (275) occiput 360 (220) end of hind extremity 1270. (1090) fore limb from [illegible] 760 (760) (390) olecranon 510. (300) manus 230. (167) width of manus 105. (73) Claws of manus. inner 69. (40) 2d 83. (40.5) 3d 83. (40) 4th 75. (440) (44) 5th 64. (35) hind limb. from great trochanter 770. from knee joint 485 (385) pes. 233. (175) foot pad. 186. (130) width of pes. 90. (68) Claws of pes inner 40. 2d 40. 3d 39. 4th 42. 5th 39. hight at shoulder 930 hight at hips 800 chest girt 1000 head of humerus to head of humerus 740.
Shot by E.A.M.!

(Measurements of No. 2026 (♂ juv.) entered above those of No. 2025 (♀ ad.).)

Altitudes:—

El Paso	1135
The "Desert"	1245
5th Monument	1282
Columbus	1217
Carrizalillo	1381
L. Corner Mon't	1496
Mesquite Springs	1273
Dog Spring	1475
White Water	1528
Big Hatchet	2404

Tantalus loculator.—Three (3) seen, two shot, San Bernardino River, Sept. 10, 1892.

	No	1892 April	Name and Locality	Sex and Age	Length to end of caudal vertebrae	Tail to end of vertebrae	Tail to end of hairs	Ear, height above crown	Ear, height above notch	Distance between eyes	Diameter of eye	Longest whiskers	From tip of nose to eye	to centre of pupil	to ear	to tip of ear	to occiput	to end of outstretched hind extremity	Fore limb from olecranon	Manus	claw	Hind limb from knee-joint	Pes	claw
			Corner Monument, 100 m. W. of El Paso, Texas.																					
Vi Va ✓ 1133	1711	29	Onychomys (?) megalotis ~~Vespermus anthonyi~~	♂ ad.		67	Eaten in trap,			and skin turned wrong side out, probably by Onychomys (No. 1718 caught next day).													17.	
S.B ✓	1712	29	Neotoma mexicana	♂ juv.	209	82		20															30	
15	1713	29	Antilocapra americana	♂ ad.	Measurements on p. 24.					Skin of head, skull, and four feet preserved.														
S.B ✓	1714	30	Neotoma mexicana	♂ ad.	333	153	160	22.	27	17.5	8.	70	23.5	29	41	72	56	277	49	20	3	72	35	4.3
16	1715	30	Vespermus (bicolored tail).	♂ im.	149	63	69	12.5	15	9.	4.5	35	13.5	16	24	40	28	136	26	11	2	43	20.5	2.5
S.	1716	30	Vespermus eremicus	♀ ad.	181	90	95	15.	18	9.	4.7	40	13.5	16	24.5	42	29	137	24	12	2	42	20.	2.3
S.	1717	30	" "	♂ ad.	181	90	95	15.5	18.5	9.	4.2	40	13.	15.2	24	43	30	136	25	11.3	2	43	21.2	2.5
113 S.	1718	30	Onychomys	♀ ad.	137	47	52	13.	16.5	10.	4.2	31	14.	16.	24	41	28	130	28	14.5	3	40.5	22	2.2
✓	1719	May 1	Vespermus (bicolored tail)	♀ ad	158	70	76	13	17	9	4,2	36	14	16	20	40	26	134	25	10,3	1,9	42	22	2,5
✓	1720	1	Vespermus eremicus	♀ ad.	182	92	97	14	18,5	9,5	4	40	14	16	24	43	30	136	24	11,5.	1,8	42	20,2	2,1.
✓	1721	1	Onychomys	♀ ad.	152	53	56	13,5	16,3	10,5	4,2	32	13	15	23	40	29	146	27.	14.	3,2	40	20,5	3.
✓	1722	1	"	♂ ad	139	49	52	12,5	17,3	9,8	4	33	13	15	22,5	40	28	132	27	12,5	3	40	21	3
✓	1723	1	Dipodomys sp. nov.	♀ ad.	230	130	160	10,5.	14	20,5	6	57	23,5	27	35	50	39	181	32	13,5	4,2	71	38	4,
S. ✓	1724	1	Neotoma	♂	262	112	115	20	25	13	5,7	60	20,5	23,5	36	64	43	215	42.	19,5	2,3	63	34	3,5
1	1725	1	Lepus arizonae. foetuses nearly grown; in alcohol.	♀ ad.	358	56	84	79	63	28.5	11	36	39	47	59.5	142	70	490	100	42	7.	158.	79	9.
1.	1726	2	" " Three foetuses the size of grapes.	♀ ad.	370	50	76	86	64	28	12	30	38	45	61.	144	70	500	98	43	7.	172	86	8.
1. ✓	1727	2	Onychomys	♂ ad.	139	50	52	12	16	8.	4	31	14	15	24	39	28	131	27	13	3.	40	21	3
S ✓	1728	2	"	♀	138	56	58	14	16.5	8.	4	38	13	15.5	24	40	29	130	28	14	3.	43	22	3
S ✓	1729	3	Thomomys umbrinus.	♂ ad.	198	65	69	3		18	3,3	30	18	20,5	31		38	187	47	23	8	52	27	3,5
S ✓	1730	3	Dipodomys sp. nov.	♂ ad.	230	124	155	11,5	15,5	21,5	5,9.	62	24	26	34,5.	49	39	179	30,5.	12,5.	5.	71	39	4,5.
11 ✓	1731	3	" " "	♂ ad.	head & body 100.		Tail def.	11,5															39	
✓	1732	3	Thomomys	♀ ad.	173	47	50	4		17			.16	18	26		34	67	42	21	7,5	4,5	25	3,5.
S ✓	1733	4	Vespermus eremicus. 3 foetuses the size of grapes.	♀ ad.	188	96	107	16	19	9.3	4.2	40	13	15.5	24	44	31	140	26	12	2.0	44	21.5	2.3
✓	1734	4	Dipodomys sp. nov.	♂ ad.	241	137	166	10.5	15	21	5.8	65	23.5	26.	34	49	39	178	31	13	5	70	38.	4.
✓	1735	4	Neotoma mexicana	♂ ad.	310	130	137	22	28	15.5	6.5	70	24	27	40	71	50	260	46	20	2,5.	67	34	3,8
✓	1736	5	Dipodomys sp. nov.	♂ ad	240	137.	162	10	14	22	4,9	64	23	26	35	49	40	178	30	13	4,5	70	37,5	4,5.
	1737	5	Lepus arizonae	♂ ad	365	51	78	81	65	36	13	75 ~~[illegible]~~	39,5 ~~[illegible]~~	41 ~~67~~	67 ~~146~~	146 ~~72~~	72 ~~519~~	[illegible]	105	46	7	170	86	6
✓ B	1738	5	Spermophilus grammurus	♀ ad.	Found dead; skull preserved.																			
1.	1739	5	Lynx baileyi		Skull found near camp.																			
S ✓	1740	6	Dipodomys sp. nov.	♂ ad.	251	143	167	10,5	14,5	20	6	63	24	27	36	50	40.	187	31	14.	5,2	74	40	4,8.
S ✓	1741	7	" " "	♂ ad	248	144	173	11	14	24	5,5	61	23,5	26	37	50	39	183	31	13?	5	71	37	4,8
✓	1742	7	Vespermus eremicus	♀ ad.	179	93	97,5	15	16,5	10	3	42	12,5	14	24	40	38 ~~34,5~~	130	24	11	2	41	19.5	2
S ✓	1743	7	Onychomys.	♂ ad	134	47	48,5	14	17	11	3,5	36	13	15	26	39	27	131	26	10,5	2	39,	20	2,5
✓	1744	7	Lepus arizonae	♂ ad.	375	57	83	85	70	35	13	75	48	47	65	153	74	530	106	45	5,8	173.	92	7,5.
✓	1745	8	Dipodomys spectabilis	♂ ad.	328.	187	217	11,8	18	25.	7.	68	28,5	31,5	41	60	49,	248.	38,5.	17,5	5,5	99	53.	6.
✓	1746	8	Dipodomys sp. nov.	♀ ad.	226.	125	154.	11	15	21.	6	60	22,5.	26	34,	49	39	183	30,	13.	5,5	71	38.	4
✓	1747	8	Onychomys	♂ ad.	139	47	50	13	17	10,5	4	32	13	15	24,5.	40	29	132	27,5	13,3	3	39.	21	3.
✓	1748	8	Vespermus eremicus	♂ ad.	185,	93	98	14	17,5	9	4,2	39	13	16	23	41	29	136	25.	12	1.6	41	21	2,2
✓	1749	8	Thomomys umbrinus	♂ ad	204	61	65	4		17	3,7	28	21	23	35	45	45	203	49	25	7	54	29	4.3
✓	1750	9.	Dipodomys sp. nov.	♀ ad.	230	134	164	10	18	21	5	54	23	27	36	48	41		30	12	5	Torn in trap		
	1751	9	Vespermus eremicus	♂ ad.	192	100	105	15	18	9	4.2	40	14	16	25	42	29	153	24	11.5	1.6	41	21	2.0

	No.	1892 May	Name and Locality.	Sex and Age.	Length.	Tail to end of vertebrae	Tail to end of hairs	Ear above crown	Ear above notch.	Distance between eyes	Diameter of eye	Longest whiskers.	Tip of nose to eye	Tip of nose to centre of pupil	To ear	To tip of ear	To occiput	To end of vertebrae hind limb	Fore limb from olecranon	Manus	Claw	Hind limb from knee joint.	Pes	Claw.
Vera	1752	1	White Rat (male) Palomas, Mexico	♂ ad.	Skins given to Stephen					Barlow. Not measured: Skulls only preserved.														
1133	1753	1	" " (female) do	♀ ad.	do					do			do					do						
S.B	1754	10	Dipodomys sp. nov.	♂ ad.	243	130	156	11	15	21	6	60	23	26	35	50	40	188	30	13	5	70	39.	4.5
15	1755	10	" "	♂ ad.	225	120	153	11	15	21	6	60	23	26	35	50	39.5	180	31	13	5.2	68	38.	4.6
S.B	1756	10	Neotoma mexicana	♂ ad.	332	141	148	20	25	15		67	23	26.5	41	68	51	267	50	19	2.0	68	33.5	2.2
16	1757	10	Lepus texianus	♂ ad.																				
S.	1758	11	Vespermus mearnsii? sonoriensis?	♂ ad.	175	78	82	13	18	10	5.0	45	14	16.5	28	45	30	144	27	13	2.0	45	22.	2.2
S. 113	1759	11	Onychomys	♀ ad.	143	51	55	13	17	10.	4.0	33	13	15.5	23	40	29	133	27	14	3.	41	21.5	2.5
S.	1757a	10	Lepus texianus	♂ ad.	610	114	140	170	140	45	14.0	70	57	64	92	267	107	790	188	69	7.8	270	134	8.5
	1760	13	Sigmodon sp. nov.? minimus	♂ ad.	223	91	97	12	16	12	5	26	16	19	30	46	34	180	33	14	3.0	53	27	4.2
	1761	13	Vespermus sonoriensis	♀ ad.	177	82	82	13	17	10.	5.	40	15	17	27	44	30	142	27	13	2.0	43	22	2.2
	1762	13	Neotoma mexicana	♀ ad.	327	138	146	23	29	16	7.5	65	24	28	41	71	49	255	46	18	2.0	66	32	3.0
	1763	14	" "	♂ ad.	Skull of one that was burnt out of its house under Spanish bayonets.																			
	1764	14	" "	♂ ad.	346	148	155	23	29	17	7.	80	24	28	42	72	53	265	49	21.	2.5	72	35	4.0
S.	1765	14	Lepus arizonae	♂ juv.	Not measured.																			
	1766	15	Neotoma mexicana	♂ juv.	Not measured. Photographed in trap.																			
	1767	15	Sigmodon sp. nov. minimus	- ad.	Skull (broken) without mandible; picked up in a low, grassy spot close to the Corner Monument																			
	1768	15	Lynx baileyi Dog Spring, Grant Co., New Mexico.	- ad.	Skull found + brought in by Mr. Wheeler.																			
S	1769	22	Dipodomys sp. nov.	♂ ad.	240	137	167	11	15	21	6	60	23	26	35	50	39.5	180	30.5	13	5.1	69	38.5	4.5
S	1770	22	Dipodomys spectabilis	♀ ad.	340	194	227	12.5	19	29	7	80	28.5	32	43	60	49	256	40	16.5	6	100	52	5.8
S	1771	22	" "	♀ ad.	340.	195	230	12.5	19	29	7	85	29	32	43	60	49	253	40	16.5	6	98	53	6.0
16	1772	22	Neotoma mexicana	♂ juv.																				
	1773	23	Dipodomys spectabilis	♀ ad.	315	176	202	12	18	27	7	75	30	33	42	59	49	342	39	17	6	97	53	6.0
S	1774	23	Spermophilus spilosoma	♀ ad.	219	67	83	4	—	21	6.5	35	18	22	33	—	43	223	46	23	7	60	34	5.0
	1775	24	Lepus texianus } Mated pair, killed at one shot.	♂ ad.	600	97	126	158	135	42	14	90	58	66	93	260	113	795	187	72	7	268	134	9.
	1776	24	" "	♀ ad.	600	108	137	162	135	42	14.	95	57	65	92	260	112	775	185	71	7	257	132	9.
	1777	24	Antilocapra americana	♂ ad.	Not measured. Tail only preserved.																			
	1778	25	" "	♂ ad.	Measurements on p. 24. Weight dressed with head + feet cut off + skinned = 64 pounds.																			
B	1779	25	" "	♂ ad.	Skin of head and skull. Weight skinned, dressed with head + feet off 56 pounds, Avoir.																			
	1780	26	Canis latrans Weight 22½ lbs. Nose to [illegible] 113	♂ ad.	1090	340	420	109	107	42	16	75	102	95	110	180.	320	215	1240	305	120	16	325	178 (17)
S	1781	26	Canis latrans Weight 24 lbs. " " " 116	♀ ad.	1160.	370.	450.	123	112	45	17	75	105	114	185	300.	225.	1280.	340.	140	20.	365	197	16.3
S	1782	26	Lepus ~~sylvaticus~~	♀ juv.	half-grown young, not measured. Caught in steel-trap.																			
S	1783	25	Cynomys shot with rifle.	♀ ad.	347	76	93	5.	—	34	8	50	20	36.5	56	—	66	about 400	91	45	11.5	107	57	8.6
	1784	25	" do	♂ ad.	358	83	100	5.	—	34	8	50	30	36	57	—	69	410	94	47	12	111	62	9.
	1785	27	"	♂ ad.	382	86	103	6.	—	35	7.5	50	31.5	38	59	—	73	421	97	44	11.5	114	63	7.5
	1786	27	"	♀ ad.	360	74	87	5.5	—	35	8.	40	31.5	38	59	—	73.5	410	91	44	8.	111	60	8.5
	1787	27	"	♀ ad.	377	83	100	5.	—	34	8.	50	31.	36.5	58	—	68	418	88	42	8.5	107	58	7.5
	1788	27	"	♀ ad.	373	88	105	5.	—	34	7.5	50	31	36.	58	—	70	418	92	45	11.	106	61	8.5
	1789	27	"	♂ ad.	412	94	111	5.	—	34	8.	50	33	40	63	—	77	450	104	50	14.	116	66	11.
	1790	27	"	♀ ad.	379	87	103	5.	—	34	8.	55	31.5	36	59	—	70	413	94	46	12.5	110	61	9.
	1791	27	"	♂	Not measured; tail defective.																			
	1792	28	Spermophilus spilosoma	♀ ad.	329	78	103	3	—	23	6.5	32	18	22.5	34	—	43	228	49	24	8	65	35	5.
S.B.	1793	26	Antilocapra americana	♀ ad.	Skull only.																			

No.	1892 May	Name and Locality	Sex and age	Length to end of vert. of tail	Tail to end vert.	Tail to end hairs	Ear, height above crown	Ear, height above notch	Distance between eyes	Diameter of eye	Length of longest whiskers	Tip of nose to eye	to centre of pupil	Ear	Tip of ear	Occiput	End of outstretched hind extremity	Fore limb from olecranon	Manus	Claw	Hind limb from knee-joint	Pes	Claw
		Mosquito ~~Mesquite Spring, Mexico.~~																					
1794	11	Vespermus (bicolored tail)	♂ ad.	165	74	77	17.5	17	12	4.	40	15	16	26	47	28.5	142	26	11.5	2	43	21.5	2.5
1795	12	Onychomys	♂ ad.	146	59	60	14.	16.										26	11.	5.	42	20.	3.5
1796	12	Vespermus (bicolored tail).	♀ im.	165	74	78	14.5	16.	12.	4	31	15	16	26	42	27	144	28	10.	2	43	20	3
1797	12	Vespermus (bicolored tail).	♂ im.	165	73	78	16.	17.	11.	4	42	15	16	28	44	29	144	29.5	10.5	2.	45	20.	3
1798	13	Contained 4 foetuses as large as grapes. Vespermus (bicolored tail);	♀ ad.	160	69	74	14.5	16.5	12.	3	40	15	17	24	42.5	27	142	25.	11.	2.	41	20.5	3
1799	13	Dipodomys sp. nov.	♂ ad.	245	149	180	10.5	13.5	24	5	60	23	25	35	48.5	40	180	28	11.	5.	73.	38.	5
1800	13	Lepus texianus	♂ ad.	560	92	132	149	130	50	16	102	53	65	88	243.	105	750	185	65.	11.	262	131	13
1801	13	Lepus arizonae	♀ ad.	350	52	81	92	72	31	10	80	36	43	59	147	71	479	94	41.	8	162	80	9
1802	14	Contained 4 foetuses as large as grapes. Vespermus (bicolored tail)	♀ ad.	165	73	78	15.5	18	11	5	32	15	16	26	44	30	158	27	11	2	43	21	2.5
1803	14	Canis latrans	♀ ad.	995	290	365	113	114	61	20	60	91	100	160	270	300	1160	280	130	17	330	175	17
1804	15	Dipodomys spectabilis	♂ ad.	361	208	235 (235)	13.	17	26	6	75	29	31	42	60	49	260	41	15.	7.	104	54.5	7
1805	15	Vespermus (bicolored tail)	♂ juv.	119	57		10.		Nearly half-grown.														
1806	15	Dipodomys spectabilis	♂ ad	333	202	231	12.	16	29	6	75	28	31	42	58	49	240	38	16.	5.5	102	52	7.5
1807	16	Lepus arizonae	♂ ad.	360	45	70	91	68		11.	86	36	43	68	149	73	480	101	43.	9.	174	85	9.
1808	18	Contained 3 foetuses, size of No. 4 shot. Vespermus ~~eremicus~~ boylii pinalis	♀ ad.	205	107	114.5	20	20.5	10.5	3	45	16	17	26	49	32	102	28	11.	2.	38	22	2.5
1809	18	Canis	ad.	Ear only preserved. Mr. Dinwin?, who shot it said it was larger than an ordinary coyote, with shorter, more rounded ears.																			
1810	19	~~Big Hatchet Mt., New Mexico.~~ Bat. Vesperugo hesperus	♂ ad.	78			10.		Alar expanse, 216; wing from carpal joint, 52; height of antitragus, 4 mm. {Shot half way up the mountain in Piñon Zone.}														
1811	23	Bat. Antrozous pallidus	♂ ad.	109			25		" " 340 " " " 90; " " 13.5 mm. do														
1812	20	Bassaris astuta	♂ ad.	760	405	450	41	49	35	11	78	35	44	75	128	94	550	100	41	4.7	143	69	6
1813	22	Vespermus eremicus	♂ ad.	195	109	119	15	19	12	4.	46	15.5	17	24	45	30	133	26	12	2.5	36	21	2.5
1814	23	Neotoma	♂ ad.	280	123	127	22	27	19	6.	59	21.5	25	38	68	45	230	41.5	27.5	3.	64	31	2.5
1815	25	Vespermus eremicus	♀ ad.	196	103	110	14	16	11	4.	41	14.	16	24	40	31	143	26.	~~11~~ 12	3.	39	21	2.5
1816	25	Neotoma	♂ ad.	330	144	151	25	28	21	6.5	67	25.	27	42	74	50	260	47	19.	3.	73	32	4.
1817	25	Lepus holzneri	♂ juv.	200	33	62	50	43	24	8.5	44	24	29	42	95	50	280	62	29	4.	90	52	5.5
1818	25	Dog Spring, Grant Co., New Mexico ~~"~~	♂ juv.	194	30	49	48	35	25	8.5	37	20	25	39	87	46	275	57	27	5	88	47	5
1819	29	Mr. Wood shot it with his pistol. Lepus arizonae	♂ ad.	352	52	77	77	61	35	12.8	85	35	43	62	142	69	505	100	43	6.	162	83	8
1820	29	Stephen Barlow shot with 22 cal. rifle. " "	♀ ad.	370	58	80	81	64	35	12.7	80	38	45	64	144	73	515	98	41	5.5	164	84	8
1821	29	" "	♂ ad.	Skull only preserved. Shot by Stephen Barlow.																			
1822	31	Vespermus (bicolored tail) Caught in sweep trap in 1/4 in water. wt 58.5 in flesh.	♀ ad.	head 40 Body 87			16	17	11	~~3~~ 4.	38	14	16	27	43	23	133	29	9	2	42	20.5	2.5
1823	31	Dipodomys sp. nov.	♀ ad.	245	149	173	11	14	22	5	62	23	25	36	49	39.5	159	31	11	5	75	37	5
1824	Jun 1	Vespermus eremicus	♀ ad.	191	104	108	18.5	21	11	4	43	14.5	16	26	44	29.5	138	24	8.5	2	45	20	2.5
1825	1	Vespermus (bicolored tail)	♂ ad.	164	72	77	15	19	11	4	40	16	18	27	44	30	142	26	11.	2	46	21	3
1826	1	Bat. Vesperugo hesperus	♀ ad	78			12		alar exp. 215. Wing from carp. joint 52 antitragus 4.5 mm.														
1827	2.	Spermophilus spilosoma	♂ ad	197	45	63	5		21	7	28	17	22	33	~~42~~	42	232	48	21	6	67	32	5
1828	2	Vespertilio. Vesperugo hesperus	♀	78.		32	~~[illegible]~~		alar exp. ~~[illegible]~~ 227 wing 53 antitragus 5														
1829	2	" " "	♀	79			10		" 225 ~~8~~ " 53 " 4.5														
1830	2	" " "	♂	81			10.5		" 225 " 54 " 4.9														
1831	2.	" " "	In	Alchohol					"														
1832	3	Vespermus eremicus	♂ ad.	202	111	116	19	21	11	4	48	16	18	25	48	31	142	27	11	2	49	24	3
1833	May 31	Canis nubilus (reddish)	– ad.	Very reddish timber wolf. Skull found at ~~White~~ Lang's Ranch, at base of the ~~Water~~, San Luis Mts.																			
1834	31	Cynomys	♂ ad.	Skull only; not measured. Lang's Ranch, at base of the San Luis Mts., Animas Valley, N. Mex.																			
1835	31	"	♀ ad.	Entire skeleton; " " do																			

	No.	1892 June	Name and Locality	Sex and Age	Length to end of caudal vertebrae	Tail, to end of vertebrae	Tail, to end of hairs	Ear, height above crown	Ear, height above notch	Distance between eyes	Diameter of eye	Length of longest whisker	From tip of nose to eye	to centre of pupil	to ear	to tip of ear	to occiput	to end of outstretched hinder extremity	Fore limb from olecranon	Manus	Claw	Hind limb from knee-joint	Pes	Claw
Va	1836	1	Lang's Ranch, Grant Co., N. Mex. (Animas Valley). Mephitis	ad.	Skull found at Lang's				Ranch, Animas Valley, New Mexico															
1133 S.B	1837	1		ad.	do				do															
15	1838	2	San Luis Mts, New Mexico. Cariacus virginianus couesii?	♀ ad.	Measurements on page 24				Contained one foetus the size of a Jackass Hare.															
S.B	1839	2		♀ juv.	do																			
16	1840	3	Playas Valley, near White Water, Mexico. Antilocapra americana	♂ ad.	Entire skeleton preserved.				Measurements on page 24. Weight as killed (not eviscerated) 112 lbs. Avoir.															
S.	1841	3	" "	♂ im.	Skull only preserved.				do					Weight										
S. 113	1842	3	Spermophilus spilosoma Rutting.	♂ ad.	Head & body	165 (tail)	broken	3.5	—	19?	—	28	16	20	32	43	225 (43)	48 (225)	24 (48)	24	7.5	63	35	5.
S.	1843	3	near White Water, Grant Co., N. Mex. Antilocapra americana	♂ ad.	Tail only preserved.				Not measured. An extraordinarily large animal. Head kept by Lieut. Gadd															
	1844	4	Dog Spring. Urocyon virginianus scottii Weight 7½ lb.	♀ ad.	980	410	490	84	76	26	14 (angle of mouth)	100 (67)	54	62	127	205	144	915	195	96	13	256	140.	13.5.
	1845	1	San Luis Mts. N. Mex. Canis lupus	♂ juv.	Color black. Size of				Coyote. Not measured.															
	1846	1	Canis lupus	♀ juv. adult	skull only.	"	"		" " "															
1951	1847	1	San Luis Mts. N. Mex. Lepus arizonae? (Coarse haired) hofzneri	♀ ad.	Not measured.																			
	1848	2	White Water, Playas Valley, Grant Co. New Mexico. Dipodomys spectabilis	♀ ad.	Hinder half of body				from nest of Buteo swainsoni.															
S.	1849	1	near White Water, Grant Co., N. Mex. Antilocapra americana	♀ ad.	Not measured. Contained				one small foetus. Skull only. Killed at near 1000 yds. in a herd going over hill															
1.	1850	1	Dog Spring, Grant Co., N. Mex. Lynx baileyi	♂ im.	Not measured. Skeleton + skin of head.				Barlow sent the skin to be dressed. Skull (broken) only preserved.															
1.	1851	4.	Antilocapra americana	♂ ad.	Skull only.																			
1.	1852.	5.	Dipodomys sp. nov.	♂ ad.	225	122	147	11	13	25	7	62	52	27	35	49	39	185	29	13	5	75	32	5.
S	1853	6	~~Vesperugo hesperus~~ Vespertilio (little brown) (Contained 2 foetuses, the size of buckshot)	♀ ad.	length		83	80	alar expanse.		230 229		Wing from carp. joint					54 (~~545~~)	Ante tragus			4.5.		
S	1854	6	Vesperugo hesperus " 2 " "	♀ ad.	"		80		"	"	235		"	"		"	"	58	"			4.		
S	1855	6	" " " " 2 " "	♀ ad.	"		83		"	"	230		"	"		"	"	54	"			4.5		
1	1856	6	" " "	♀ ad.		in alcohol.																		
	1857	6	" " " "	♂ ad.		"	"																	
S.	1858	6	" " "	♂ ad.		"	"																	
	1859	6	" " "	♀ ad.		"	"																	
	1860	7	Ovis montanus	♂ ad	Pair of old horns				found on a mountain crag near Emory's Peak & Spring, Grant Co., N. Mex.															
	1861	9	Spermophilus	♂ ad.	227	69	86	3.5		20	8	31	17	23	36		43	225	45	21	7	62	35	5.5.
	1862	9	Dipodomys sp. no.	♂ ad.	237	132	159	10	13	23	5	60	23	25	37	48	39	174	30	13	5	72	37	6.
B	1863	9	Dipodomys spectabilis mamma 2/2.	♀ ad.	325	183	220	12	16	27	8	77	29	33	47	00	50	245	40	15	6	98	52	7
1	1864	9	" "	♀ ad.	Head & Body		(152)	13	17	30	8	75	30	33	47.	60	50	248	41	17	6	101	52	6.
S	1865	9	" "	♀ im.	260		147	12											~~51~~				51	
S	1866	10	Dipodomys sp. no.	♂ ad.	235	132	159	11	13	24	5	62	24	26	37	49	41	180	30	13	5	73	38	5
	1867	10	" " "	♀ ad.																				
S	1868	10	Spermophilus	♂ ad.	Head & body		165	4		23	8	30	19	24	38		44	240	40	24	8	64	36	6.
	1869	12	Dipodomys spectabilis	♂ ad	356	208	239	11	16	30	6	83	30	34	49	64	59	258	44	17	7	107	54	8
	1870	15	White Water, Playas Valley, Mexico. Dipodomys spectabilis	♂ ad.	355	207	242	13	16	30	7	80	30	33	48	61	52	265	42	17	6	105	55	8
	1871	15	Dipodomys spectabilis	♀ im.	320	192		13														5	51	
	1872	15	Lepus arizonae	♂ ad.	360.	52	74	85	67	38	14	77	39 (~~34~~)	46	67	148	71	515	99	39	8	173	82	9.
	1873	9	Cariacus crooki (Type.) Contained a foetus size of cottontail	♀ ad.	Measurements at page 24.				Tail, two pieces of skin of body, one fore- and two hind-foot, skin of head, and skull preserved. Weight eviscerated & dry, 72 lbs.															
	1874	16	Dipodomys spectabilis	♂ ad.	342	209	238	13.5	18	32	7	75	29	33	46	62	49	260	40	17	7	105	54	7.5
	1875	16	" "	♂ ad.	343	205	231	15	19	30	7	80	31	35	48	65	52	255	44	17	6.5	107	55	6.3
	1876	16	Dipodomys sp. nov.	♂ ad.	220.	120.	147	10	15	19.	..	55	24	/	34 (~~44~~)	49.	40	175.	28	13.5.	4.2	69.	37.5.	4.2
S.B.	1877	16	Spermophilus [illegible]	♀ ad.	215.	75.	89	3.5	~~23~~	27 (3)	7	30	16.5	21	32	—	43	222.	48.	24.	7	65.	32.	6

No.	1892 June	Name and Locality	Sex and age	Length	Tail vert.	Tail hairs	Ear above crown	Ear above notch	Distance between eyes	Diameter of eye	Longest whisker	Nose to eye	Center of pupil	Ear	Tip of tail	Occiput	End hinder extremity	Fore limb from elbow	Manus	Claw	Hind limb knee	Pes	Claw
		~~White Water, Chihuahua, Mexico~~																					
1878	16	Lepus texianus (3 foetuses 3 in. long.	♀ ad.	593	107	145	153	134	47	14	99	55	64	94	270	104	750	184	64.	7.	256	120	8.5
1879	16	" " (In milk; 2 foetuses 5½ in l.)	♀ ad.	630	111	146	159	134	51	15	110	53	64	89	278	107	805	184	66.	8.	260	134	10.
1880	16	Lepus s. arizonia (3 foetuses size of grapes)	♀ ad.	370	41	60	73	62	34	13	74	37	43	66	146	74	—	104	45	6.	—	84	7.
1881	16	Lepus gaillardi ~~callotis~~ (no foetuses)	♀ ad.	495	75	114	142	118	39	12	66	49	55	78	230	94	695	182	74	10.	247	127	10.
1882	16	Lepus gaillardi (3 foetuses size of grapes)	♀ ad.	575	81	119	146	124	51	16	86	56	65	89	250	109	790 ~~760~~	196	76	13	265	134	14.
1883	17.	Lepus arizonia.	♂ ad.	Skull only.																			
1884	17	Lepus texianus (2 foetuses 3 in. long)	♀ ad.	Skull only																			
1885	17	Lepus ~~callotis~~ gaillardi	♂ ad.	530	77	110	146	123	45.	15	93	55.	63	90.	243	104	760	193	73	11	235	131	13.
1886	17	" "	♀ ad.	500	94	134	156	130.	43	14	80	50.	59	92	244	96.	708	187.	79.	11.	243.	129	12.
1887	17	Lepus ~~arizonae~~ holzneri	ad.	590	65	95.	80	68	35.	\	95.	41	\	67.	155	74	550.	122	57.	7.	187.	102	9.5
1888	17	Lepus texianus texianus	♂ ad.	Skin of head + Skull.																			
1889	15	Antilocapra americana	♀ ad.	Measurements on p. 24.					Contained two foetuses (♂ + ♀), one of which (No 1896) was preserved.)														
1890	15		♂ foetus	Taken from above					Skin and skull														
1891	19	San Luis mountains (E. side). Cariacus ~~mexicanus~~ couesi	♀ ad.	Contained two foetuses					Measurements on page 24.														
1892	20.	White Water, Chihuahua 4 foetuses. 2½ in. long. Mephitis estor Mammae 4-4.	♀ ad.	615	305	390	12	22				32	37	55	75	79	480	102	44	14	115	67	7
1893	21	(head, feet + tail preserved). Cariacus macrotis	♂ im.	Weight as Killed 103 lbs.					Horns 5 in. long, with only a basal snag. Measurements on page 24. Shot at [illegible] tent, where it came and drank.														
1894	21	Dipodomys spectabilis	♀ ad.	325	199	225	13 3X	17	37	7	79	29	32	44	60	49	250.	41	15.5	6	101	52	5.
1895	22	Antilocapra americana	♂ ad.	Shot by Dr. Marcus.					Skull, one fore + 1 hind foot preserved. Not measured. Tip shot off of horn														
1896	15	" "	♂ foetus	removed from					No. ~~1889~~														
1897A	1891 Dec. 25	Cariacus macrotis	♂	Emasculated. Presented					by Mr. George Whitcher of Rector's Ranch, N. Mex.														
1897	June 23	East side San Luis Mts. Not pregnant; in milk. Bat Myotis evotis	♀ ad.	Length	94.	Tail	44	Alar	expanse	263; wing from carpal joint,					63;	Ear above crown,				19; shot in day time; drinking	antitragus;	10.5	
1898	24	" Atalapha cinerea	♂ ad.	"	140	"	63	"	"	395	"	"	"	"	110	"	"	"		9	"	6.	
1899	24	Contained one foetus, near birth: Vespertilio (sp. nov.) thysanoides	♀ ad.	"	93	"	35	"	"	286	"	"	"	"	74	"	"	"		15.	"	9.5	
1900	24	Contained one foetus, near birth. "	♀ ad.	"	96	"	36	"	"	296	"	"	"	"	74	"	"	"		14.5	"	10.	
1901	25	Not pregnant; in milk. Vespertilio californicus	♀ ad.	"	81	"	37	"	"	230	"	"	"	"	57	"	"	"		11.	"	6.3	
1902	25	"	♂ ad.	"	87	"	40	"	"	222	"	"	"	"	50	"	"	"		11.	"	7.	
1903	25	Young born; in milk. " "	♀ ad.	"	83	"	37	"	"	233	"	"	"	"	58	"	"	"		11.5	"	7	
1904	26	" lucifugus?	♂ ad.	"	90	"	49		"	275	"	"	"	"	65	"	"	"		11.	"	6.5	
1905	22	Urocyon virginianus scottii	♀ ad.	Caught	in	steel-trap.			by Lieut. Irwin; skull only preserved. Some teeth lost.														
1906	23	" " "	♂ ad.	985	415	475	91	85	20	15	80	60	68	134	217	138	905	203	95	15	261	135	16.
1907	23	Tamias dorsalis	♀ ad.	246	106	134	17	21.5	8	6.	41	16.5	21	33	53	41.5	218	44	22	4	66	36	4.
1908	23	7 very small foetuses. Spermophilus grammurus	♀ ad.	492	207	260	20	28	7	9.5	56	20.	38	57	81	73	412	83	42.	9.	114	60	7.5
1909	23	Tamias dorsalis	♂ ad.	head + body		139	17															36	
1910	23	" "	♂ ad.	240	117	147	16.5	20		5.5	40	16.5	20	32	51	41.	211	41	19.5	3.8	64	34.5	4.
1911	24	Vesperimus sonoriensis?	♂ ad.	head + body		93	14	19		—	47	14.	16	25	45	30	139	24	12.5	2.	41	21.5	2.
1912	24	Tamias dorsalis	♂ ad.	227	104	122	14	18.5		6.	37	16.	20	33	49	41	200	44	20.5	4.	65	35	4.
1913	24	" "	♂ ad.	233	104	124	17	21.5		6.	37	17.	20.5	34	50	41	194	45	22.	3.8	64	36.5	4.2
1914	24	" "	♀ ad.	head + body		135	15	Three	foetuses the size of grapes.													35.5	
1915	25	" "	♂ ad.	232	102	130	15	21.5		6.2	40	16.	20.	34	51	42	206	44	21	3.5	64	36	4.
1916	25	Spermophilus grammurus	♀ ad.	443	185	230	10	18.5		8.	65	27.	33.	57	71	69	385	78	36	7.5	105	58.5	7.5
1917	26	Tamias dorsalis	♂ ad.	230	100	122	14	20		5.7	32	16	20	33	49	40	200	44	21	3.7	62	34	4.
1918	26	" 2 foetuses as large as grapes.	♂ ad.	225	91	130	15	21		6	45	16	20	32	64	41	213	45	21.5	4.	66	36	4.
1919	26	" 8(!) foetuses as large as grapes.	♀ ad.	230	91	118	14.5	19.5	4	6	40	16.5	20.5	33.5	50.5	40.5	206	43.5	21.	4.	63.	33	4.
1920	26	" Mammae and [illegible]	♀ ad.	250	113	140	15	21	5	5.9	44	18.	21.5	35	53.	42.	223	46.	22.	4.	65.	37	4.2

No.	Date	Specimen	Sex/age																				
	June	E. Side of San Luis Mtns.																					
1921	27	Peromyscus rowleyi pinalis; ~~Notiosorex sonoriensis~~	♀ ad.	198	107	In milk; no foetuses.																23.	
1922	29	Mexican Boundary Line, near White Water; Lepus ~~Callotis~~ gaillardi	♀ ad	560	92	125	150	130	55	16.5	92	62	70	90	250	104	780	193	82	10	260	132	12
1923	29	San Luis Springs, Mexican Boundary Line; Cynomys arizonensis Mearns	♂ ad.	350	83	1																63.	
1924	29	" "	♂ ad.	405	90	109	5.5	14	38	8	46	32	40	65	73	78	457	101	50.5	11.2	117	65	9
1925	29	" "	♂ ad.	390	84	108	6	14	37	8	45	32	40	62	73	76	436	94	45	8	113	61	9.2
1926	29	" "	♂ ad.	357	43																	62.5	
1927	29	" "	♀ ad.	360	84	102	4.3	13	33	8	53	31	36.5	58	67	71	410	90	45	11	113	61	10
1928	29	Mephitis estor	?	Skull of specimen found dead.																		~~61~~	
1929	29	Cynomys arizonensis	♂ ad.	330	73																	61	
1930	29	"	♀ ad.	376	92	110	6	13.5	33.5	7.2	55	31	37.5	60	70	74	410	90	44	11	109	60	10
1931	30	White Water, Mex.; Lepus texianus texianus	♀ juv.	Young as large as a big wood Rat. Not measured.																			
1932	30	San Luis Springs, Mexico. (Langs Ranch.); Procyon virginianus scottii	?	Skull found at St. Louis Spring.																			
1933	July 3	Skull only. Skin kept by L. Barfoot who shot him in a prairie dog hole. Taxidea. Weight 16 lbs.	♂ ad.	670	125	153	30	46	43	+	44	55	61	115	160	142	735	197	96	35	181	117	16
1934	4	Taxidea. Weight 15½ lbs.	♀ ad.	675	135	+	27	43	52	8	27	56	63	106	163	149	730	187	100	27	175	99	11.5 / 17.5
1935	2	Cajon Bonito, Mex.; Occiput to angle of mouth, 59; Procyon virginianus scottii	♂ ad.	930	380	470	78	75	28	14	90	52	62	120	195	141	865	185	91	11	225	125	13
1936	2	See note of color on p. 199. Mephitis estor (Skull only kept)	♀ ad.	650	280	380	17	26	25	blank space diam. eye 45	31	40	61	88	84	490	100	51	15	120	62	8	
1937	4	Spermophilus grammurus	♂ ad.	Skull only																			
1938	4	Procyon fernandezii (Mammae 3 pair)	♀ ad.	820	295	340	51	60	31	11	110	53	63	113	175	146	835	204	88	10	235	122	10
1939	5	San Luis Springs, N. Mex.; Cynomys arizonensis Mearns	♂ juv.																				
1940	5	" "	♀ ad.	350	80	87	4	12	33	8	31	31	35	57	70	67	340	90	43	10	116	60	8
1941	5	Mephitis estor	♀ ad.	Skull only.																			
1942	5	Taxidia. Killed & Skin kept by A. Gaillard	♀ juv.	" "																			
1943	7	Procyon virginianus scottii.	♀ juv.	Stomach contains Grass, he was also grazing when killed.																			
1944	6	San Bernardino; Lepus texianus	♂ ad.	Skull only; San Bernardino Ranch, Arizona.																			
1945	6		♀ ad.	"	"		"																
1946	7	Guadalupe Canon, New Mex.; Little Yellow Bat Pipistrellus hesperus	♀ ad.	80	32	+	10	anti tragus		4.	alar expanse		205	Wing		52.							
1947	7	" " " " "	♀ ad.	82	32	+	10	"	"	5	"	"	220	"		53.							
1948	7	"	♀ ad.	78	32.	+	10	anti tragus		3.2	alar expanse		198	Wing		50.							
1949	7	Guadalupe Canon, New Mexico; Tamias dorsalis	♀ ad	243	109	152	15.5	21	20	5.5	40	17	21.5	35.5	54	43	231	44	22.5	4	68	35.5	4.5
1950	7	San Luis Springs, New Mexico; Ursus americanus	? ad.	Skull found at San Luis Springs, New Mexico.																			
1981	8	Taxidea	♂ ad.	610	120	156	21	43	36	8	40	56	63	105	148	152	650	182	100	25	165	100	8
1982	9	Mephitis estor. Mammae $\frac{3-3}{3-3}$ = 3(!)	♀ ad.	605	280	410	16	29	25	6	30	33.5	39	63	42	87	480	104	52.5	17	128	65	10
1983	9	Cariacus couesi ("Fan-tail")	♂ ad.	One (right) shed horn picked up.																			
1984	9	Canis latrans	?	Skull of dead animal found at San Luis Spring.																			
1985	10	Taxidea	♀ juv.	575	115	150	33	42	35	9	missing 4th 54	60	99	142		144	640	175	93	27	157	93	9
1986	15	Cloverdale, N. Mex.; Cariacus mexicanus	♀ ad.	Very large. Meas. of age. 24.																			
1987	15	" "	♂	foetus of above about to be born; there were two male foetuses. The mother weighed about 60 lbs.																			
1988	15	" "	♂ juv.	Yearling																			
1989	15	Cynomys arizonensis	♂ ad.	Skull & tail preserved.																			
1990	17	Mephitis estor	♀ ad.	Skull only preserved. Nursing young.																			
1991	18	Cynomys arizonensis	♂ ad.	Skull only preserved.																			
1992	18	" "	♂ ad.	380	90	115	5	14	34	9	45	30	36	59	—	72	120	93	47	11	109	63	9.5
1993	18	Taxidea. Weight 17 lbs. ♀ Nursing	♀ ad.	650	135	164	31.5	42	38	9	25	54	62	106	153	146	718	197	98	26	157	102	12
1994	18	Spermophilus grammurus	♀ juv.	Quite young.																			

N.	Date	Name	Sex	Length	Tail vert.	Tail pencil	Hind foot	[illegible]	[illegible]	[illegible]	~~Tip of nose to whiskers~~	Tip of nose to eye	Centre of pupil	Ear	Tip of ear	Occiput	End of hind limb						
1995	22	W. Side San Luis Mtns. Lepus arizonae	♀ ad.	430	83.	113.	82.	68.	39	14	55.	42.	51	72.	155	81.	555.	117.	56.	7.	178.	95.	10.5.
1996	22	~~Potorodo~~ Cynomys	♂ ad.	430.	76.	182	81	65	39.	14.5.	80.	43.	52	74.	160.	80.	560.	121	51	8.5.	193.	101.	10.5.
~~1997~~ 1998	~~14~~ 26	~~Cariacus mexicanus~~	♂ ad. ~~♂ juv.~~	~~Mex. on~~ Page 24																			
~~1998~~ 1999	~~14~~ 26	~~Cynomys "~~	♀ ad. ♂ ad.																				
~~1999~~	14	~~Cynomys "~~	♂ ad. ♂ juv.	~~(Orterrons) progany of the Number 1998.~~ Three old male Prairie Dogs from San Luis Springs, New Mexico, July 26th, 1892. Lang's Ranch. Measurements on page 24.																			
2000	21	San Luis Mts. Dorcelaphus couesi	♂ ad.	~~Shed Horns~~																			
2001	21	" "	♂	Shed Horn.																			
2002	21	" "	♂	"		"																	
2003	21	" "	♂	"		"																	
2004	June 19	E. side San Luis Mountains. Spermophilus grammurus	♂ ad.	Not measured. Shot with rifle in cañon, E. side of Mt. In a tall oak-tree.																			
	July	West Side of San Luis Mountains.																					
2005	11	Sciurus aptiche Allen (3 foetuses 1½ in. long)	♀ ad.	575	295	372	23	84	36	10.	69	35	39	57	87	71	460	102	52	11.	137	~~8~~75	11.
2006	11	" " "	♂ ad.	540	270	355	21.5	32	35	9.5	84	32	37	57	82	70	438	101	51	10.5	140	75	11.
2007	12	" "	♂ ad.	550	275	349	24.	31	37	10.	71	34	40	59	93	71	455	106	54	12.	151	77	10.5
2008	12	Mephitis estor	♂ ad.	635	305	410	15.	28	33	8.	39	35	39	65	92	80	495	108	55	15.	138	70	9.5
2009	13	Sciurus	♂ ad.	540	260	335	23	33	37	9.5	63	32	39.5	56.5	93	72	440	98	44	10.5	146	79	10.
2010	14	Vesperimus	♀ ad.	195	111	120	15	18	11	4.	40	16.	17.5	25	47	31	137	26	12	1.5	42	21	2.
2011	16	Urocyon vir. scottii	♂ ad.	980	425	490	86	81	46	13.	85	59	64.	115	205	138	895	188	85	15.	261	137	13.5
2012	18	Neotoma mexicana bullata	♀ ad.	325	160	163	22.5	25.	19	7.	78	25	28	38.	71	49	246	47	20.5	2.	69	36	4.
2013	19	Vesperimus	♂ ad.	204	106	111	12.5	17.5	—	—	51	15.	—	24	44	30	145	20	10.	2.	43	21.	2.
2014	19	Spermophilus grammurus	♂ ad.	460	207	258	21.	28.	34	11.	58	28	37	55	86	72	405	96	40	9.	107	63	8.
2015	19	" "	♀ ad.	450	198	243	19.5	28	29	9.	56	28	33	53	79	66	380	87	38	10.	102	61	10
2016	20		♂ ad.	head+body,		280	20.	25	34	8.	57	28	35	56	81	64	400	83	39	9.	104	59	9
2017	20	Tamias dorsalis (7 foetuses "the size of buckshot")	♀ ad.	246	104	136	16.	22	20	6.	39	17	20	34	58	41	211	45	20	4.	69	37	5.
2018	21	Urocyon virginianus scottii	♂ juv.	895	380	450	85	77	30	15.	82	52	56	111	205	126	860	182	84	12.	247	130	13.
2019	21	Tamias dorsalis	♀ ad.	245	114	144	17	21	19	6.	32	15.5	20	29.5	52	42	—	43	22	6.1	—	36	—
2022	24	Antilocapra americana	♂ ad.	A shed horn from San Luis Springs, N. Mex.																			
2023	24	Cariacus ~~mexicanus~~ couesi	♂ juv.	Tail preserved. Shot at Rajon Bonito by Lieut Hornbrook. Not measured. With its mother. The latter contained 2 fully grown spotted foetuses.																			
2024	24	Cariacus macrotis (hemionus, canus)	♂	One horn. Eastern base of San Luis Mtns.																			
2025	21	Ursus horribilis horriaeus	♀ ad.	Measurements on page 199, those of no. 2026 above those of no. 2025. Weight ~~140~~ 170 lbs. eviscerated & dry (next day)																			
2026	21	" " "	♂ juv.	Measurements " 199 do " 45 " " "																			
2027	24	Lepus arizonae major	♂ juv.	Drowned out of nest (?) by heavy rains. Caught in camp at San Luis Springs, N. Mex																			
2028	28	Guadalupe Cañon, Mex. Bound. Line. Spermophilus grammurus	♂ ad.	520	225	277	19	24	36	9.	65	29	36	60	80	73	440	85	42	8	111	63	8
2029	28	Tamias dorsalis	♀ ad.	247	113	144	16	27	21.5	6.	36	16	20	35	52	41	224	44	21.5	4.	65	35	4
2030	28	San Luis Springs, N. Mex. Notiosorex crawfordi Shrew	♀ ad.	93	20	32	5	8	—	~~x~~	19	10.5	—	15	22	20.5	86	14	8	—	21	10.5	—
2031	29	Guadalupe Cañon, Mex. Bound. Line. Dicotyles torquatus Peccary	—	Flat skin seen on roof of Mexican's dwelling, in Guadeloupe Cañon, Arizona, purchased for 50¢.																			
2032	31	San Bernardino Ranch, Arizona. Leaf nosed Bat, Nycthinomus	♀ ad.	Skin and skull. Length 93; alar expanse, 300; wing, 78; tail, 31; ear above crown, 11.5.																			
2033	31	" " "	♀ ad.	do " 93 " " 313 " 84 " 37 " " " 12.5.																			
2034	31	" " "	♀ ad.	do " 95 " " 300 " 80 " 34 " " " 12.																			
2035	31	" " "	♀ ad.	In alcohol " 96 " " 323 " 84 " 36 " " " 13.5																			
2036	31	" " "	♀ ad.	do " 93 " " 295 " 80 " 35 " " " 12.5																			
2037	31	Cariacus (white-tailed)	♂	Head without mandible. Guadelupe Cañon, New Mexico																			

No.	1892 August	Name and Locality	Sex and Age	Length	Tail vert.	Tail, hairs	Ear above crown	Ear above notch	Between eyes	Diameter of eye	Longest whisker	Tip of Nose to: Eye	Centre of pupil	Ear	Angle of mouth	Tip of ear	Occiput	End of outstretched hinder extremity	Fore limb from olecranon	Manus	Claw of manus	Hind limb from knee joint	Pes	Claw
2038	4	~~San Barnadino Ranch~~, Arizona Lepus arizonae (skin torn by Coyotes in trap)	♂ ad.	360.	63.	85.	78.	65.	37.	12.5.	75	~~40~~ 37.	45.	60		146.	71.	505	100.	43	5	154	82	7.
2039.	6.	Dipodomys spectabilis	♀ ad.	335	205.	203.	13.5.	18.	25.	7.	70.	29.	32.	42.		60	49.	242.	39.	16.5.	5.	98.	54.5	5.3.
2040	7	" "	♀ ad.	340.	191.	218.	13.	18	28.	7.3.	77	29.	32.5	45.	+	62	49.	253	40.	17	6.	99.	52	6
2041	7	Dipodomys sp. nov.	♀ ad.	247.	140.	120.	12.	16.	21.	5.5.	48.	22.	25	34.		48	37	181.	29.	12.	4.	68.	38.	
2042	8	Free-tailed Bat, Nyctinomus	♀ ad.	Length, 93; alar expanse, 293;					wing 79; tail, 34; ear above crown, 12.2;															
2043	9	Dipodomys sp. nov.	ad.	Not measured; eaten by					ants.															
2044	9	" " "	♂	245	153	180	11	14	23	5	53	21.5	25.	34	—	50	38.5	176	30	12	5	71	37.	4.5.
2045.	9.	" " "	♂	247	150	173	10	13	23.5	5	57.	22	25	36	—	48	38.	179	29	11.5.	5.	73	38	5.
2046	10	" " "	♂ ad.	260.	152	175	10	13.5	23	5	52	23	26	35	—	49	39	180	32	13.	5.2	73	40	5.
2047	10	" " "	♀ ad.	260	152	177	11	14	23	5.	63	23	25.8	35	—	49	39.5	183	31	13	5.5	71	38	3.8
2048	10	Dipodomys spectabilis	♂ ad.	343	197	232	13	18	29	7.4	85	29	32.5	44	—	62	50.5	254	42	17.5	5.5	99	52.	6.
2049	10	Perognathus	ad.	176	98	109	6.	—	11	—	38	14	2	~~21~~	~~2~~	29	27	123	23	10.7	3	40	23.5	3.
2050	10	Lepus texianus	♂ ad.	595	115	145	162	140	46	17	95	55	64	91	—	264	103	785	187	76	13	262	132	11.
2051	10	" "	♀ ad.	560	110	145	169	135	47	16	103	51	60	87	—	263	95	765	184	70	8.5	263	137	10.
2052	11	Perognathus.	♀ ad.	not measurable				partly	eaten by ants.															
2053	11	Dipodomys sp. no.	♂ ad.	260.	149.	177	10	15	23	5.	58	24	27	~~51~~ 37.	—	51	~~140~~ 41.	190	30	13	5.5	71	40	4.
2054	11	Dipodomys spectabilis	♂ ad.	360	219	154	13	18	30	7	78.	29	33	44.5	—	61	57	258	42	18.5	7.	166	55.	7.
2055	11	Dipodomys spectabilis	♀ ad.	head to body		148	4	17	32	7	77.	30	33	46.		63	52.	255.	42	17	6.	103	52	7.
2056	11	Dicotyles torquatus	♀ ad.	Measurements on page 198.																				
2057.	12	Dipodomys sp. no.	♀ ad.	250.	137.	164			20.	5.3.	66.	24.	27.	37.5	—	—	40.	185.	31.5.	12.5.	5.7	73.	39.	4.6.
2058	12	Dipodomys spectabilis	♂ ad.	350.	195.	223	13.	17.	27.5.	7.5.	90.	29.	32.	44	—	60.	49.	255.	40.	18.	6.2	102.	52.	6.
2059	13	Perognathus	♀ ad.	172 head + body	91	80; Eaten by ants	Ears eaten off; ~~tail broken~~	~~verte-~~	~~brae~~, Badly eaten by ants in trap.													41	23	2.7.
2060	14	Dipodomys sp. no.	♂ ad.	252	152	177	~~11~~ 12.	15	22	5	66	23	26	36	—	49	38.5	179	30	14	5	74.	38.5	5
2061	14	Canis	♂ ad.	1140	325	410	121	127	47	17	77	105	110	195	100	347	228	1330	320	143	19	335	190	17.
2062	14	Lepus.	Skull only																					
2063	14	Perognathus.	♂ ad.	175	104	119	6	9.5.	12	3	30	15	16	20	—	32	29	121	25	11	4	44	23	3.5.
2064	18	Canis latrans	♂ ad.	1130	340	420	110	119	48	19	77	.01	110	190	.09	312	220	1240 ~~1330~~	335	150	18	370	183	17.
2065	19	Dipodomys spectabilis	♀ ad.	Tail broken.			12		head and body, 147														56	
2066.	20.	Lepus arizonae	♂ juv.																					
2067.	21.	Vespermus.	♀ ad.	153	65	eaten			by ants.											10.5			20	
2068	21	Dipodomys sp. nov.	♀ ad.	246	148	174	10	13	24	5	53	24	25	36	—	49	40.5	181	31	13.5	6	71	38	6
2069.	21	Dipodomys spectabilis.	♀ ad.	369	225	253	14.	18.	31	8	70	30	33	47		64	57	257	42	17	6	29	56	7.
2070	22	Mephitis estor	♂ juv.	580	290	395	16	26	30	6	33	35	38	63	—	85	83	445	99	55	15.5.	126	65	9.
2071.	24	Lepus texianus	♂ ad.	590	104	137	161	131	53	15	95.	56	67	88	—	253	109.	790	184	72	8.	252	130	9.
2072.	25	" "	♀ ad.	600.	99	139	171	134	52	18	93	57	66	85	—	267	105.	790	178	67	7	252	125	12.
2073	26	Thomomys umbrinus cervinus	♀ ad.	210	62	66.	4	—	19.	3.7	30.	19	21.	34	—	—	42	194.	48.	24.	8	51.	27.	4.
2074	27	" " "	♀ juv.	found around tin.																				
2075	27.	Perognathus	♂ ad.	164	93	108	7	10	11.5	2.5	35	13	14.5	21	—	30	26	115	22	10	3	42	24	3
2076	27	Vespermus.	♂ juv.	160	65		14																21	
2077	28	Thomomys.	♀ juv.																					
2078.	29.	Onychomys.	♂ juv.	149	54	55.5	15.	12.3	.5	4	30	14	17	25.5	27	55	31	145	31	14	4	44	22.5	2.75
2079	30	Lepus texianus	♂ ad.	600	111	150	154	136	[illegible]	16	113	56	68	94	270	113	7	780	178	56	8	235	130	10.

No.	1892 Aug.	Name & Locality	Sex and age	Length	Tail, vert.	Tail, hair	Ear, crown	Ear, notch
2080	31	San Bernardino Ranch, Ariz. Procyon hernandezi	– ad	Skull found.				
2081	31	Perognathus	♂ ad.	Found dead; eaten by ants;				
2082	31	Vespermus texanus sonorensis	♂ im.	165			14.5	
2083	Sept. 1	Spermophilus grammurus	♀ juv.					
2084	1	Procyon	♂ juv.					
2085	3	Neotoma mexicana	♂ ad.	325	147	150.	24	29
2086	3.	Spermophilus grammurus.	♀ ad.	475.	207	262	18	25
2087	3	Cariacus macrotis	♂ ad.	One shed horn from				
2088	3	Cariacus sp.?	♂	Horns with part of skull				
2089	?	Spermophilus grammurus.	♂ ad.	Skin made in purse by				
2090	6	Bat. Vespertilio velifer. ♀.		96	42	antitragus 7.6;	13	;
2091	6	" " " ♀.		96	42	"	7.7; 13	;
2092	7	Canis latrans.						
2093	7	Perognathus	♀ head + body, 75				5.7	
2094	8	"	♂ ad.	170.	94	107,5	6	9.
2095	8	Bat Vespertilio velifer.	♂	222 39 mm				
2096	8	" " "	♀ ad.	95	wf	280		
2097	8	" " "	♀ ad.	100	4	296		
2098	8	Perognathus	♂ juv.					
2099	8	Dicotyles torquatus	♂ ad.	Measurements on page 198.				
2100	8	" "	♀ ad.	"		"	"	198.
2101	9	Canis latrans " {Skull kept {Skin Lt. Holland.	♀ ad.	1100	315	390.	110	108
2102	9	Neotoma ~~mexicana~~ intermedia albigula	♂ ad.	353	153	161	25	28
2103	10	Canis latrans	♀	Not measured; Skull only.				
2104	5	Cariacus ~~mexicanus~~ Lieut. Jackson had head mounted couesi	♂ ad.	Tail and 4 feet preserved.				
2105	10	Canis latrans	(?) ad.	Skull (with one half of mandible				
2106	15	Johnson Ranch 7 mils S. of Bisbee Lepus arizonae	♀ ad.	420	67	76	85	63
2107	16.	Bisbee, Arizona Spermophilus grammurus.	♀ ad.	485	207	243	17	24
2108	17	Johnston's Ranch, 7 m. S. of Bisbee Neotoma ~~mexicana~~ albigula	♂	312	135.		22.	
2109	17	Near Base of San Jose mt., Sonora. Lepus arizonae	♂ ad.	358	56	80	81	67
2110.	26	San Jose Mt. Dipodomys. sp. nov.	? ad.	255.	153.	180.	10,5.	
2111	Oct. 1	San Jose Mt. Cariacus ~~mexicanus~~ couesi	♂ ad.	Measurements on page 24.				
2112	3	Spermophilus grammurus	♀ juv.	Young of the year.				
2113	3	"	♂ juv.	do				
2114	6	Vespermus (boylii) (long eared) " pinalis,	♂ ad.	200	114	123	21	22
2115	12	San Pedro River, Mex. Bound. Line. Lepus arizonae			—			
2116	13	Onychomys.	♂ juv.					
2117	13	" "	♂ juv.	(from animal with tail hair 265)				
2118	14	San Pedro River, Sonora, Mexico. Castor canadensis. Weight, 32 lbs. av.	♀ ad.	950.	334.	127	25.	33.
2119	14	Cynomys arizonensis	♀ ad.	360.	85	117	5,5	
2120	14	" "	♀ ad.	350	74	102	5,5.	5 3 5 36

Between eyes	Diameter eye	Longest whiskers	Nose to eye	Centre pupil	Ear	Tip of ear	Occiput	End hind leg	Angle of mouth	Fore limb olecranon	Manus	Fore claw	Hind limb knee joint	Pes	Claw
preserved in alcohol.															
Gray pelage 2225 5 mm														22	
21	7	74	25	28	44	73	51	255.	46	20,5	2	75	35.	5	
34	9	49	31	35	54	78	65	405	+	76	37	10	118	56 (8	
Guadalupe Cañon.															
from Guadalupe Canon.															
"Bob" our Indian Scout (Apache). Emory Peak, Dog Mts., Grant Co., New Mexico															9,
wing from carpal joint, 66; alar expanse, 265 mm.															
" " " " 66; " " 270 mm.															
															7
Partially eaten by ants in trap. Molting.															
13	4	35	14	16	22	31	28	115	+	21	10	3	40	22.5 (3 23	2,2.
in alcohol.															
Wing 69 Ear. 12. anti Tragus 8.															3.
9	75		4		13		4	8.							
Mammae $\frac{2-1}{2-1}$ = 3 pairs. Flesh cooked and eaten at Officers' mess															4.5
47	17	75	98	109	183	295	225	1220.	95	315.	125.	18.	350.	(17 180.	
15	6.5	70	23.5	27	45	76	52	265	~~[illegible]~~	50	22.5	3.	72	37	8.
Still quite rusty red; but much of the short bluish hair of winter coat showing through															
(although); found.															5.
37	13	80	42	51	73	156	82	576	—	150	56		185		3.
31	9	55	27	34	55.	78	71	418	+	86	43.	9.	112.	(8 63,5	
Skin with stores for winter from nest; skull not kept.														32,5	
33.	13.	70.	39.	47.	68	158.	76	573	+	165	45	6	165	(8 90	2.
about forehead + horns; Skin + skull preserved.														38,5	
Velvet commencing (slightly) to shed; nearly in blue coat, but with some red hairs, especi[ally]															
															6.
12	4	45	14.5	17	27	47	31	135	27	12	1.5	45	22	2	
															2,
															2
54.	4,5.	95.	61.	67	120	163	158	845.	187	84.	18.	285.	176	23.	
														62	
														57	

No.	1892 Oct.	Name and Locality	Sex and Age	Length	Tail vert.	Tail basis	Ear above crown	Ear above notch
		San Pedro Valley, Mex. Bd. Line						
2121	14	Cynomys arizonensis	♂ ad.	390	92	~~121~~ 121	~~5,5~~	
2122	14	" "	♂ ad.	360 ~~42~~	83	111	5.	
2123	14	" "	♂ ad.	380.	92	121	5.6	
2124	14	" "	♂ ad.	400	89	114	5,5	
2125	14	" "	♂ ad.	350	78.	106	5.	
2126	14.	" "	♀ ad.	355.	77	108	5,5.	
2127	15	Onychomys	♀ ad.	153	45	49	13,3	18
2128	15	"	♀ juv.					
2129	15	~~Vesperimus~~ Peromyscus arizonae	♂ ad.	164	73.	78.	12,3	15,3
2130	15	Perognathus	♀ ad.	172	88	105	5,2.	8,5
2131	~~17~~	Mephitis estor	♂ ad.	822	300	465	15.5	29
2132	16	Onychomys	♀ juv.	136.	45		15	
2133	16	"	♀ juv.					
2134	16	Vesperimus	♀ ad.	176.	80	85	14	18.
2135	16	Perognathus	♂ ad.	180	99	116	6.	8,5.
2136	17	Onychomys	♀ ad.	163	52	56	14,5	17,5
2137	17	"	♂ juv.	145.	46	~~53~~.	13	
2138	21.	Vesperimus (bicolored tail.)	♂ ad.	165.	69,5.	~~104,5~~	15	17
2139	20.	Taxidea berlandieri	♀ im. ~~ad.~~	640	132	176	30	45
2140	21	Cynomys arizonensis	♂ ad.	Skull only.				
~~2021.~~	15	Mephitis estor (not preserved)	♀ ad.	795	335	463	19,5 ~~7~~	
2141	21	Cynomys arizonensis	♂ ad.	380.	81.	110	5.	X
2142	~~21~~	" "	♀ ad.	358.	78.	103.	5.2	X
2143	22	Onychomys	♂ ad.	174	57.	62	15	19.
2144	22	"	♂ ad.	170.	54	59.	15	18,5.
2145	22	Peromyscus arizonae	♀ juv.	132	46.			
2147	23	~~Vesperimus mearnsii~~ 2147	~~ad.~~	146	62		11,5.	
2146	23	Peromyscus arizonae. 2146	♂ ad.	173	76	81	12,5	15,5
2148	23	Peromyscus arizonae. ~~Vesperimus sonoriensis~~	♀ ad.	189	87	92	15,3	18,3.
2149	23	Onychomys	♂ im.	150	48		14	
2150	23	Mephitis estor	♀ ad.	Skull only.				
2151	24	Castor canadensis (wt 62 lbs.)	♂ ad.	1070.	360.	375 (with tail 12..)	31.	35.
~~2152~~	~~24~~	~~Mephitis estor~~ See below	♀ ad.					
2153	24	Onychomys.	♂ ad.	161	48	52	14	18.
2154	24.	~~Vesperimus~~ Peromyscus arizonae	♂ juv.	140.	63			
2152	24	Mephitis estor (iris dark hazel.)	♀ ad.	655	290	435	15	26
2155.	25	Onychomys.	♀	151	57		13,5	
2156	25	" "	♀ im.	145	50		15	
2157	25	Onychomys.	♀ juv.	137	44		13	
2158	26	"	♀ ad.	159	54	58	16,5	18

No.	Distance between eyes	Diameter of eye	Longest whisker	Nose to eye	Centre of pupil	Ear	Tip of ear	Occiput	End of hind extremity	Angle of mouth	Fore limb from olecranon	Manus	Claw	Hind limb from knee	Pes	Claw
2121										X					63.	
2122															63.	
2123															64.	
2124															64.	
2125															60	
2126															68	
2127	12	4,5	35.	14 ~~27.~~	17	25 ~~46~~	47 ~~46.~~	32,5	156	31	14	3.	42	~~22~~	2,8.	
2128										x						
2129	9,5	3	35	14	16.	24.	41	28,5 ~~135~~	135	X	25	12	108	41	22	1,9.
2130	10,5.	3,6	35	14	16,5.	22	31	28	125.	(	23.	10.	3	42.	24	3
2131	32	8	20	38	43	68	101 ~~64~~	88	515	41	112	55	17	138	73 ~~21~~	10
2132															21	
2134	8,5	4	38	14,5	17	26.	46.	30.	146.	~~12~~ 12	26.	12.	2.	42	21	2,2.
2135	11	3	37	14,5	16,2.	22.	32.	29.	126	—	22,5	11,5.	2,5.	42.	23.	3.
2136									162						22.	
2137															22.	
2138	12	4	37.	15	17	27.	42	29.	139.	11.	25,5	10,5	3	44	22	2.
2139	41	8	41	55	62	104	152	139	690	69	188	98	27	175	104	14,5
~~2021.~~	Not skinned - Skull destroyed.														73.	
2141	36.	8.	48.	31	37.	61.	+	73.	430.	X	100	48.	11.	115.	64.	8.
2142	35.	8.	38.	30.	36	59.	+	71.	400.	+	95	45	11.	110.	61.	8.
2143	~~13~~	5	40	16.	18,5.	29.	48.	34.	169.	—	33,5.	15,5.	4.	45.	23,5.	3,5.
2144	12,5	5,2	40.	15,8	19	29	47	34.	165.	~~3~~ /	33.	15,5.	3,5.	45.	23.	3.
2147															21	
2146	10	4.	35	15.	17,5.	26.	43.	31	345	+	27	14.	2.	44.	22,5.	2,2.
2148	~~4~~	4,3	41	15 ~~14~~	17,5	28	46.	31.	150	+	27	11,2	2.	45	22,3	1,9.
2149															22	
2151	62.	9,5.	95.	68.	74.	125.	175.	165.	860	+	195	82	22.	275.	185	36.
2153	13.	4,8.	35.	15,5	18	27	45	33 ~~199~~	160 ~~345~~	~~X~~	30,5 ~~14,5~~	~~14,5~~	3	45	22.	3,2.
2152	28	7	20	34	39	61	92	82	490	41	107	56	18	118	65	12
2155															21	
2156															20,5.	
2157															21	
2158		5	38	16,5	19	28	48	31	156	+	32	15	4,5	45	22,5	2.

No.	1892 Oct.	Name and Locality	Sex and Age	Length	Tail, vert.	Tail, hairs	Ear above crown	Ear above notch	Between eyes	Diameter of eye	Longest whiskers	Tip of nose to angle of mouth	To eye	To centre of pupil	To ear	To tip of ear	To occiput	To end of hinder extremity	Fore limb from olecranon	Manus	Claw	Hind limb from knee-joint	Pes	Claw
2159	26	San Pedro River, Mex. Bd. Line. Onychomys	♂ juv.	145	51		15																22	
2160	26	Vesperimus mearnsii?	♀ im.	155	84	86	14	16.5	9.	3.5	32	~~14~~	12 (~~14~~)	14 (~~18~~)	22	37	25	114	21	16	2	37.5	20	2.
2161	26	Dipodomys sp. nov.	♂ ad.	227	138	163	11	14	22	5	54	—	23	26	33	41	38	173	29.5	12.5	4.5	72	38	4.
2162	26	Vesperimus (bicolored tail)	♂ juv.	144	62		13,																19.5	
2163	26.	Spermophilus grammurus. Huachuca Mts.	♂ juv.																					
2164	27	Onychomys.	♀ juv.																					
2165	27	"	♂ juv																					
2166	27	Peromyscus arizonae / Vesperimus (bicol. tail)	♂ ad	170	75	80	12.																22.7	
2167	29	Lepus arizonae	♀ ad.	375	50	75	96	71.	36.	13.	79	4	39	47	64	157	73	535	74	45	7.5	160	~~82~~	12
2168	29	Onychomys.	♂ ad. (juv.)																					
2169	29	" "	♂ juv. (ad.?)																					
2170.	1891 Dec 25	Panucus macrotis	♂ ad.	Horna. See under 1896 A, p. 208.																				
	1892 Dec	Fort Clark Texas.																						
2171	23	Sciurus niger limitis Baird	♂ im.	490	245	313	21	31	31	8.5	63	22	28	33	51	79	65	395	90	44	8.	126	68	8.
		Soles of feet purplish or neutral-tint as in S. niger from Wisconsin.																						
2172	27	Lepus sylvaticus	♂ ad.	395	52	80	72	60	20	Iris dark brown. Has shed one front grinding tooth.														
2173	29	Onychomys longipes, Merriam	♂ ad.	167	55	59	14.5	~~[illegible]~~		12	88	—	38	45	64	142	73	530	105	46	6.2	168	87	8
2174	29	Vesperimus mearnsii?	♂ ad.	168	71	75	14.	16.5	11.5	~~4.6~~	~~4~~							156					23	
2175	29	" "	♀ juv.	163	70		13.5	~~[illegible]~~		4.6	42	—	13.5	17	25	41.5	29	139	25	11.5	1.7	40	21	2
2176	30	Onychomys longipes.	♂ juv.	156	54		12																20.5	
2177	31	" "	♀ ad.	163	53	55	16	19	10.5	5.4	35		15.0	17.5	25.5	46.0	32	160	30.5	14.5	2.5	43	23	2.8
2178	31	" "	♀ juv.	145	50		14.5			~~5.4~~													22	
2179	31	" "	♀ juv.	141	50		13.3																22.5	
2180	31	Vesperimus	♂ ad.	195	85		12.5	15.5	10.5	4.5	45		15.0	17.0	26.0	42.0	30.0	145	27.0	12.5	2.0	41	22.0	1.8
2181	31	Vesperimus eremicus?	♀ juv.	167	83		16.0	18.0															22.0	
2182	31	Neotoma micropus	♂ ad.	375	160	165	22.0	28.0	19.0	7.7	70		27.5	32.5	49.0	77.0	61.0	300	56.0	22.0	3.0	77	40.0	4.0
2183	Jan 1	Onychomys longipes?	♂ ad.	173	57	61	14	18.5	11.	4.5	36		15.2	18.3	29	47	33	166	31	13.5	3.	46	23.3	2.8
2184	2	Spilogale leucoparia	♂ ad.	393	150	230	14	27.	21	7.2	47	from teeth 30	22.	27	44	70	66	360	71	36.5	9.4	78	42.	5.
2185	3	Vesperimus canus (~~mearnsii~~)	♀ juv.	158	69		11.7			~~5~~	~~42~~		~~14.5~~	~~17.5~~	~~27~~	~~44~~	~~30~~	~~147~~	~~26.5~~	~~12.2~~			21.8	
2186	6	" "	♂ ad.	189	91	96	13.5	16.5	10	5	42		14.5	17.5	27	44	30	147	26.5	12.2	2.	45	22.8	2.1
2187	6	" "	♀ ad.	180	82		12.																20.5	
2188	7	Lepus texianus?	♂ ad	560	75	100	138	115	40	15	115	—	58	69	91	243	105	775	180	68	8	230	122	10.2
2189	10	Vesperimus mearnsii	♀ im.	170	86		14.5																22.	
2190	10	Neotoma micropus. (mated with No. 2182 above)	♀ ad.	370	162	165	26	29	16	8	76	—	26	31.3	46	80	58	305	54	21	3	79	37	4
2191	12	Geomys texanus (~~clarkii~~)	♀ ad.	218	61		2.0		16.5	3.5			21	23.5	36		45	205	55	31	12.5	55	29	4.6
2192	12	Sigmodon. Contained 5 foetuses (3-2).	♀ ad.	248	103	107	14	18	12.5	4.0	30		17 (~~77~~)	20.0	32	60	36 (~~56~~)	205	36	16.5	3.0	56.5	31.5	3.0
2193	12	Vesperimus eremicus?	♀ juv	168	85		14.5																22.0	
2194	12	Vesperimus canus (~~mearnsii~~)	♀ ad.	178	78	82	12.5	16.0	9.0	4.2	41		14	17.	26	45	31	151	27	13.	2.0	43.0	21.5	2.6
2195	12	" "	♀ ad.	169	71		13.5																20.0	
2196	12	" "	♂ ad.	146	62		13.5																20.[illegible]	
2197	12	" "	♂ ad.	167	70		12.5																20	

Mus decumanus. – Dead ones lying in the streets of Bisbee, Arizona.

San Pedro River at Fairbanks. Nov. 2, 1892.
Waited from 8.30 A.M. till 2.30, P.M. for train to Benson. Walked about the ranches a couple of hours and noted

Bubo virginianus subarcticus. – One flew from tree to tree in [illegible] cottonwoods. Sat with ears erect, twisting its [illegible] and nodding its head.

Buteo borealis calurus. – One adult seen.

Falco mexicanus. – One seen.

Accipiter velox. – One darted twice after a Road-runner but each time the Geococcyx escaped into a patch of sun-flower stalks. The Hawk was a small (male) bird.

Carpodacus mex. frontalis. – In flocks; [illegible]

[illegible]
Zonotrichia [illegible] } Both species common in dry sunflowers [illegible]

Junco oregonus [illegible]. – About 10 seen [illegible]

Sialia mexicana. – Common in small flocks.

Agelaius ph. sonoriensis
[illegible]
Xanthocephalus xanthocephalus } In flocks.

Anas [illegible]. – One flock.

[illegible]. – One.

Regulus calendula. – One.

[illegible]. – Common.

Callipepla [illegible]. – [illegible]

Geococcyx californianus. – [illegible]

5 Antelope, Jack Rabbits and a Coyote seen near Bowie Station, Arizona, from train Nov. 3, 1892

2273 Additional measurements of Procyon. – Chest girth, 390; fore limb from coracoid, 320; hind limb from great trochanter to end of longest claw, 395 mm. E.A.M.

No.	1883 Jan.	Name and Locality (Ft Clark, Texas.)	Sex and Age	Length	Tail vert.	Tail hairs	Ear above crown	Ear above notch	Between eyes	Diameter of eye	Longest whiskers	Tip of nose to angle of mouth	Tip of nose to eye	Tip of nose to centre of pupil	To ear	To tip of ear	To occiput	To end of [illegible]	Fore limb from elbow	Manus	Claw		Hind limb from knee joint	Pes	Claw
2198	12	Vesperimus ~~canus~~ ?	♀ ad.	Not measured;						(bob-tailed.)															
2199	12	" "	♀ juv.	"			"																		
2200	12	" "	♂ juv.	"			"																		
2201	12	" "	♂ juv.	"			"																		
2202	13	" "	♂ juv.	"			"																		
2203	13	" "	♂ juv.	"			"																		
2204	13	" "	♀ juv.	"			"																		
2205	13	" "	♂ juv.	"			"																		
2206	13	" "	♀ ad.	160	68		12			~~mammae 6 pairs - 4 abdominal - 2 thoracic~~.														21	
2207	13	" "	♂ ad.	173	79		13																	22	
2208	13	" "	♀ ad.	175	75		11.5			Mammae 3 pairs - 2 abdominal + 1 thoracic.														21	
2209	13	" "	♀ ad.	172	74		13.0			Mammae 3 pairs - 2 abdominal + 1 thoracic pair.														21	
2210	13	Neotoma micropus "Contained 3 foetuses (2-1)."	♀ ad.	337	140	144	21.5	27	15.5	7.3	60		25	29	47	73	57	290	56	22.5	3.0		78	40	4.7
2211	13	Geomys ~~clarkii~~ texensis	♂ ad.	250	72		3.5		20.5	4.6	—	—	23.5	27	40		50	233	60	34	13.0		57	30	4.7
2212	14	" texensis mammae $\frac{11-1}{11-1}$ = 6.	♀ ad.	225	66		3.		18.	4.2	—	—	22	25	35		45	204	55	31	13.0		54	28	4.5
2213	14	Vesperimus canus ~~mearnsii~~ ?	♀ ad.	176	81		13.5			} Mammae $\frac{2-1}{2-1}$ = 6.														22.0	
2214	14	" "	♀ ad.	181	77		12.8																	20.6	
2215	15	Geomys ~~clarkii~~ texensis	♀ ad.	223	67		3.0		20	4.0			20	23.0	33		45	202	56	31.0	12.0		51	28	4.0
2216	15	Geomys texensis	♂	207	64		2.5		16	4.0			18.	20.5 / 26.5	33.		40	192	52	30.5	13.5		49	29	4.8
2217	15	Vesperimus ~~canus~~ ?	♂ ad.	174	75		12.5																	20.5	
2218	15	" "	♂ ad.	178	78		13.2																	22.5	
2219	15	" "	♀ im.																						
2220	15	" "	♀ im.																						
2221	15	" "	♂	155	65		12.0																	21.0	
2224	15	" "	♂ juv.																						
2222	15	" "	♂ juv.																						
2223	15	" "	♂ juv.																						
2225	16	Geomys ~~clarkii~~ texensis	♂ ad	242	82		3.7		16	3.8			20.5	24.	35.		48.0	218	60	34	13.5		57	32	5.0
2226	16	Vesperimus mearnsii	♂ im.																						
2227	16	" "	♀ im.																						
2228	16	" "	♂ juv.																						
2229	17	Lynx maculatus ?	?	Two toes taken in						steel-trap.															
2230	17	Sciurus niger	♂	445	210	270	20.	29.	32	9.0	60		28.	34.		76	63	386	85	42	8.0		120	63	7.5
2231	17	Sigmodon hispidus texianus	♀ ad	254	102	106	13	18	11	5.0	35		17.	21	32	53	39	210	36	17	3.0		60	32	3.5
2232	17	Onychomys longipes.	♂ ad.	168	58	62	15	17.5	12.	5.5	40		15	18	28	47	33	160	32	15.	3.0		47	24	3.0
2233	17	Vesperimus mearnsii	♀ ad.	175	78		12.																	20	
2234	17	" "	♀ ad.	175	75		12.7																	21.5	
2235	18	" "	♂ ad.	150	62	66	12.0	15.0	9.5	4.2	40		14	16.5	25	42	29	131	24.5	11.2	2.0		40	20	2.2
2236	18	" "	♂ ad.	162	69	73	11.0	15.5	10.0	4.2	39		14	16.5	26	42	30	142	26.	11.5	1.8		41	21	2.3
2237	18	" "	♂ im.																						
2238	18	" "	♀ im.																						

No	1893 Jan.	Name and Locality (Fort Clark, Texas.)	Sex and Age.	Length	Tail vert.	Tail hairs	Ear above crown	Ear above notch	Between eyes.	Diameter of eye.	Longest whiskers.	Tip of nose to angle of mouth	Nose to eye	To centre pupil	To ear width	To tip of ear	To occiput	To end of outstretched hinder extremity	Bare portion of tail	Fore limb from olecranon	Manus	Claw	Hind limb from knee-point	Pes.	Claw
2239	18	Vesperimus mearnsii?	♀ juv.																						
2240	18	" "	♂ juv.																						
2241	18	Geomys ~~clarkii~~ texensis	♀ ad.	208	59		3.7		16	3.7	~~[illegible]~~		19.5	21	33		41	197		53	31	15	48	27.5	4.8
2242	18	Didelphys virginiana californica (grayish / blackish)	♀ juv.	730	325	width of ear 42	49	54	30	8.6	70	58	46	56	100	155	114	570	275	123	52	7	~~138~~ 138	63.0	8.2
2243	18	" " "	♀ ad.	800	360	" 45	53	54	30	8.0	75	68	52	58	106	160	120	630	293	131	52	7.5	147	69.0	9.5
2244	29	" " "	♂ juv.	710	300	42	48	53	28	8.0	75	58	51	58	104	155	118	575	240	125	50	8.	140	63.	8.
2245	29	Sciurus niger limitis	— ad.	Fore leg; taken in ~~steel~~ steel-trap.																					
2246	30	Didelphys v. californica (Bennett).	♂ ad.	883	380	Ear width 47	53	58	38	10.0	108	80	67	75	137 (width 47)	195	153	725	305	156	60	10	180	76	12.
2247	30	Geomys ~~clarkii~~ texensis	♂ ad.	246	72		3.		20	4.	27		23	25.5	40		50	220		60	34	12.5	56	30	3.4
2248	30	Vesperimus mearnsii	♂ ad.	178	79		13.																	21.5	
2249	30	" "	♂ ad.	Skull only preserved; eaten in trap.																					
2250	31	" "	♀ juv.	158	68		12.7																	20.5	
2251	31	Geomys ~~clarkii~~ texensis	♂ ad.	257	76		4.0		21	4.2	25		23.5	26.5	40.0		53.0	233		64	35	12.	59	32	5.0
2252	31	Geomys texensis	♀ ad.	218	63		3.3		17	3.8	23		21.5	24.5	34.0		45.0	209		53	30	12.5	51	29	5.0
2253	Febr. ~~31~~ 1	Vesperimus mearnsii?	♂ ad.	164	70		14.0																	23	
2254	1	" "	♀ ad.	162	69		14.0																	21.2	
2255	1	" "	♀ juv.	154	68		13.5																	21.5	
2256	1	Neotoma	♀ ad.	383	163	169	23	28	17	7.0	65		26	30	47	79	57	310		58	25	3.0	82	40	5.0
2257	1	Didelphys v. californica (Bennett).	♂ ad	875	400		51	54	37	7.7	93	80	61	67	123 (width x)	190	139	700	315	150	64	9.5	170	77	10
2258	2	" " " "	♂ juv.	645	295		45	49	28		65	63	48	54	93 (width 87)	150	107	500	230	113	50	7.0	130	63	9.0
2259	2	" " " "	♀ juv.	720	340		52	54	25	8.0	70	62	50	56	100.3 (width 36)	158	109	557	270	120	57	8.0	134	62	8.0
2260	2	Geomys ~~clarkii~~ texensis	♀ ad.	Tail defective; not measured.						Contained four (4) large foetuses (2–2).															
2261	3	Vesperimus mearnsii?	♂ ad.	Skull only; eaten in trap.																					
2262	3	" "	♀ ♂ juv.																						
2263	3	" "	♀ juv.																						
2264	4	" "	♀ ad.	180	80	84	14	16.5	10		41		14	16.5	23.5	43	29.5	150	~	27.5	12	2.0	44	22	2.2
2265	4	" "	♂ ad.	158	69		12.5																	21	
2266	4	" "	♂ ad.	156	65		13																	21	
2267	4	" "	♂ juv.																						
2268	4	Mus musculus	♀ juv.	159	80		10	~~[illegible]~~	~~[illegible]~~															19	
2269	5	Sigmodon hispidus texianus	♂ ad.	246	95	100	12.5	17.5	13.5	5.0	45	—	19	22	33	52	41	213	37	18	3	~~60~~ 3	60	31.5	4.
2270	5	Vesperimus mearnsii?	♂ ad.	177	78		13.5																	21.7	
2271	5	" "	♂ ad.	168	73		13.1																	21.3	
2272	5	" "	♀ ad.	175	78		13.6																	21.	
2273	6	Procyon l. hernandezii (additional measurements on p. 227)	♂ ad	900	290	340	58.	68.	38	13.		76	63	70	132	213	170	975	~~220~~	~~95~~ 220	96	16	280	132	15
2274	6	Geomys ~~clarkii~~ texensis	♂ ad.	229	68																33.5			30	
2275	6	Onychomys longipes	♂	161	55		15																	22.7	
2276	7	Vesperimus mearnsii	♂ ad	166	68		14																	21.0	
2277	7	" "	♂ ad.	161	68		14																	21.0	
2278	7	" "	♀ ad.	156	68		13.7																	20.3	
2279	7	" "	♀	169	75		13.0																	[illegible]	

No.	1893 Feb.	Name and Locality Fort Clark, Texas.	Sex and age	Length	Tail vert.	Tail hairs	Ear above crown	Ear above notch	Between eyes	Diameter of eye	Longest whiskers	Tip of nose to angle of mouth	Nose to Eye	To centre of [illegible]	To Ear	To tip of ear	To occiput	To end of outstretched hind extremity	Bare portion of tail	Fore limb from olecranon	Manus	Claw	Hind limb from knee joint	Pes	Claw
2280	8	Geomys ~~clarkii~~ texensis	♀	head and body, 133; tail defective; manus, 29; pes, 27 mm.																					
2281	8	Vesperimus mearnsii	♀ ad.	175	75	80	15	17.5	9.5	4.1	45	—	14.5	17.	26	44	30	145	—	25	12	1.5	40	21.	1.7
2282	9	" "	♂ ad.	159	66		14																	21.	
2283	9	" "	♂ ad.	150	62		11.5																	20.5	
2284	9	" "	♂ ad.	166	73		13.0																	21.7	
2285	9	" "	♂ ad.	163	68		13.5																	21.5	
2286	9	" "	♂ ad.	160	70		12.0																	22.0	
2287	10	" "	♂ im.	154	65		14																	22	
2288	10	Didelphys virginiana californica	♂ juv.	675	390	—	44 (width of ear, 37)	46	26		65	58	47	56	92	143	107	530	240	105	51	6.7	125	57	8.
2289	11	Vesperimus mearnsii	♀ ad.	182	79	83	13	17	10.5	4.2	40	—	15	18	28	47	31	151	—	27	12.5	1.4	41	20.5	1.5
2290	11	" "	♀ im.	153	66		13	Doubtless the progeny of the above, as it was from same hole & caught same night.																21	
2291	11	Sciurus niger limitus	ad.	Manus only taken in steel-trap.																					
2292	12	Mephitis mesomelas varians	♂ ad.	735	355	470	10.0	29	30	7.0	35	—	38	42	70	95	94	570	—	115	60	16.	140	77	8.7
2293	13	Didelphys v. californica (Bennett).	♂ ad.	Skin and skull preserved; skinned and cooked in the woods; not measured. Shot at night in the head.																					
		Kickapoo Springs, Mason Co., Texas																							
2294	15	Sciurus niger limitus	♂ ad.	495	240	310	17.5	29	32	8.5	65		29	34	52	75	65	418		93	45	9.0	123	65	9.
2295	15	" " " (mammae, 5 pairs.)	♀ ad.	475	215	290	17.0	28	32	9.0	70		30	36	55	80	67	400		87	44	8.0	123	64	8.
2296	15	" " "	♂ ad.	490	235	305	18	30	30	9.0	65		29	34	52	77	66	415		89	44	8.0	123	65	8.0
		Fort Clark, Kinney Co., Texas.																							
2297	20	Neotoma micropus (testicles large.)	♂ ad.	365	163	170	22	27	17	7.1	63		25	29	43	73	53	285	135	53	21.5	3.	75	39	4.7
2298	20	Mephitis mesomelas varians	♀ ad.	Skull only preserved.					{I found it where it had been killed, too late to preserve the skin. Color unusually black. The side stripes were narrow terminating 2/3 of the distance to root of tail. A small spot on either side, near tail indicated a continuation of the side stripes.} Tail appearing all black, without terminal white pencil, but hairs all white at base for ½																
2299	20	Procyon	♂ juv.	Skull only preserved. Young ind.																					
2300	25	Neotoma micropus.	♀ ad.	350	150	156	22	25	15	6.5	60		26	30	46	73	53	287	130	52	21.0	2.0	75	37.5	3.6
2301	25	Didelphys virg. californica (color blackish)	♂ ad.	800	335		50					59	55.				135			130	59	9.	142	63	11
2302	25	Lepus ~~callotis~~ merriami (Skull not preserved)	♀ juv.	Taken from a Marsh Hawk that had eaten its head partly off.																					
2303	25	Lepus sylvaticus (Old; Skull not preserved)	♂ ad.	390	50	70	72	59	32	13	55		38	44	65	136	72	540		106	45	6.5	178	89	7.
2304	26	Felis (domesticus?)	ad.	Skull, without mandibles, found near Las Moras Creek; probably of domestic cat.																					
2305	March 8	Lepus sylvaticus	♂ ad.	350	57	76	73	60	31	12	70		35	44	62	137	68	470		92	40	6.0	143	72	7.5
2306	8	" "	♀ ad.	370	54	75	70	59	30	12.5	65		36 (9.5)	44	63	140	73	503		102	42	4.5	162	80	6.
2307	9	Nyctinomus [illegible] Bat	♀ ad.	110	308	Wing from carpal joint, 80. Tail, 43; ear, crown, 14; Nose to occiput 21.5; forearm, 44; knee joint to end of longest cl. 24;																			11.
2308	10	Sciurus niger limitus	♂ ad.	475	228	293	19	28	32	8	70		27.5	33.5	52	75	65	405		90	45	8.5	121	65	8.
2309	11	Free-tailed Bat	♂ ad.	107	[illegible]		14	alar expanse 300; wing from carpal 77; nose to occiput, 21; forearm, 42; knee joint to end of longest claw 2																11.	
2310	12	" "	♂ ad.	104	40		13	(nose to eye, 9.5)			309					82				22			43	11	
2311	17	Mus musculus	♀ im.	Not measured.																					
2312	21	Spermophilus mexicanus parvidens (Iris hazel)	♂ ad.	325	130	160 (width 5.5)	3.5	—	24	7.6	37	—	21	26	40	—	53	290	—	58	30	10	80	44	8
2313	21	Spermophilus mexicanus parvidens	♀ ad.	head + body 180; tail broken off			3.5										48	268						42	
2314		Felis ~~pardalis~~ limitis		Flat skin. Killed in Kinney Co., Texas, by Pat. Keene; no skull.																					
2315	27	Spermophilus mexicanus	♂ ad.	303	125	155	4	11	24	6.2	32	—	19	25	38	46	48	267	—	51	25	7.2	70	39	6
2316	29	Lepus sylvaticus	♂ ad.	335	48	70	67 (width 27)	55	30	11	50		36	44	62	137	70	475		95	38	5.	150	76	6
2317	April 6	Lepus ~~callotis~~ merriami (Contained 3 foetuses size of rats)	♀ ad.	570	75	100	142	118	51	14	100	—	58	70	93	250	105	765	—	177	67	7	247	125	[illegible]
[illegible]	11	Sciurus niger limitus	♀ ad.	503	250	315	20	27	35	8.6	70	—	29	36	56	82	70	425	—	95	43	8	125	67	[illegible]

No.	1893 April	Name and Locality Ft. Clark, Texas	Sex and Age	Length	Tail vert.	Tail hairs	Ear above crown	Ear above notch	Between eyes	Diameter of eye	Longest whisker	Tip of nose to angle of mouth	Nose to eye	Centre pupil	Ear	Tip of ear	Occiput	End of outstretched limbs	Base portion of tail	Fore limb from olecranon	Manus	Longest claw of manus	Hind limb from knee joint	Pes	Longest claw of pes
2318	8	Sciurus niger limitus ✓	♂ juv.	Fort Clark, Kinney Co., Texas. Killed by Chaplain Potter.																					
2319	9	" " ✓	♀	Mud Creek, Valverde Co., Texas. Killed by Lieut Ord. Not measured.																					
2321	15	Spermophilus mexicanus ✓	♂ ad.	310	118	145	4.5	11.5	24	7	40	—	21	26	40	—	51	285	—	54	27	8	76	41	6.
2322	1	Free-tailed Bat Nyctinomus	ad.	Not measured; preserved in alcohol.																					
2324	1	" " "	ad.			do					do														
2325	1	" " "	ad.			do					do														
2326	19	" " "	♂ ad.			do					do														
2327	20	Sciurus niger limitus ✓	♀ ad.	490	237	303	19	28	33	9	60	—	29	35	53	76	68	408	—	92	44	8	124	65	8
2328	24	Sciurus niger limitus ✓	♂ juv.	410	212																				
2329	24	Spermophilus mexicanus. ✓	♀ ad.	308	124	152	3.8	—	25	6.5	30	—	20.5	26	40	48	50.5	273	—	53	26	7.2	72	40	6.
2330	26	Sciurus limitus. Sent to the Am. Mus. Nat. Hist., N.Y. ✓	♀ ad.	470	220	287	20.5	30	36	9.0	70	—	29	34.5	53	76	68	400	—	87	42	8	120	63	8
2331	May 15	Vespertilio noveboracensis ✓	♀ ad	116	51	—	6.5	Alar expanse, 333; wing from carpal, 89. Contained one foetus ready for birth (preserved in alcohol).																	
2332	18	Spermophilus mexicanus ✓	♂ ad	head + body 193	tail defective		5.	9.5	24	7	29	~~31~~	21	26	40	47	49	270	—	55	28	8.5	~~79~~	42	6.5
2333	22	Sciurus niger limitus ✓	♂ ad.	485	233	294	20	30	35	9	63		30	36	53	79	67	390		88	44	9.0		63	8.0
2334	22	" " " ✓	♂ ad.	Tail defective.		Head + body 275.	17.2	29	35	9	70		30	35	53	81	67	412		85	41	8.5	123	64	9.0
2335	22	" " " ✓	♂ ad.	485	230	308	22.	31	36	10	68		28	35	53	80	66	408		90	44	8.3	122	67	8.0
2336	22	" " " ✓	♂ juv.	430	225																				
2337	22	" " " ✓	♂ juv.	400	190																				
	1893 June	Fort Hancock, Texas	~~♀ ad~~	Iris hazel.																					
2338	8	Lepus sylvaticus	♂ ad.	335	58	85	77	66	33	12	77	—	36	42	61	140	70	465	—	99	39	5	149	82	7.8.
2339	15	Spermophilus spilosoma. Contained 7 small foetuses. Mammae 5 pairs, Iris hazel	♀ ad	240	80	98	4	—	19	7.6	28	—	17	21.5	33.5	42	43	237	—	48	24.5	7	63	36.5	4.6
2340	15	Mus musculus. Mammae $\frac{2-2}{2-2} = \frac{4}{4}$.	♀ ad.	185	91	94	12.5	15.3	8.5	~~12~~ 3.	30	—	11	13	21.5	35	26	131	—	22	9	1.5	34	20	1.7
2341	16	" " Mammae $\frac{3-2}{3-2} = \frac{5}{5}$.	♀ ad.	184	90	93	12.5	14	8.	3.	32	—	11.5	13	21.5	36	25.5	132	—	22	9	1.7	34	20	1.7
2342	16	" " Iris dark brownish gray	♀ ad.	184	86	89	12.5	15.2	8.3	3	33	—	11.2	13	21.5	36	25.5	135	—	22	9	1.6	34	20	1.7
2343	16	" "	♀ juv.																						
2344	16	~~Sitomys~~ Peromyscus tornillo. Contained 4 foetuses 14mm diameter	♀ im.	180	80	—	14																	23	
2345	18	Lepus sylvaticus	♀ juv.	About half grown; Skull not kept.																					
		Belen, El Paso Co., Texas.	~~♀ ad.~~																						
2346	19	Geomys. Has nursed young	♀ ad.	400	103	125	6	—	35	8.7	40	—	33	39	63	—	75	450	—	97	49	13	111	66.5	12.5
2347	19	" do	♀ ad.	402	104	127	6	—	37	8.7	45	—	32	39	61	—	72	440	—	94	45	11	107	63	11
2348	19	" do	♀ ad.	383	103	129	6	—	33	8.4	43	—	32	38	61	—	71	417	—	91	46	10	110	66	9
2349	19	" Incisors white.	♀ im.	320	83																			61	
2350	19	Lepus arizonae? minor	♂ juv.	Skull ~~not~~ kept. Skin and skull.																					
2351	19	Lepus texianus? griseus	♂ juv.	Skin & skull.																					
		Fort Hancock, Texas (El Paso Co.)																							
2352	21	Lepus arizonae? minor	♀ juv.	Skull not kept.																			235	122	11.
2353	22	Lepus texianus griseus ♀ nursing young. Iris yellow-brown	♀ ad. (548)	95	132	142		115	42	13	90	—	53	62	87	235	98	755	—	178	71	8.2	235	122	11.
2354	22	Geomys arenarius. Has been nursing.	♀ ad. (230)	68	—		2.	—	20	4.4	26	~~49~~	22.5	26	~~22.5~~ 37	~~47~~	47	215	49	60	34	15	56	30	5.
2355	22	Geomys arenarius	♀ ad.	243	73	—	2.	—	18	4.	27	—	22	25	38	—	47	230	52	60	34	12	60	32	4.
2356	22	" " Young of the year	♀ juv.	222	76	—	2.	—	18	4.	25	—	21	24	37	—	44	200	65	58	33	13	55	32	4.
2357	[illegible]	Spermophilus spilosoma. 6 very small foetuses	♀ ad.	230	74	97	4.3	—	20	67.	28	—	16	22	34	—	44	239	—	49	25	7.4	65	37	5.3.

No.	1893 June — Name and Locality (Ft. Hancock, El Paso Co., Texas.)	Sex and Age	Length	Tail, vert.	Tail, hairs	Ear above crown	Ear above notch	Between eyes	Diameter of eye	Longest whisker	Tip of nose to angle of mouth	Nose to eye	Centre pupil	Ear	Tip of ear	Occiput	End of outstretched hinder extremity	Bare portion of tail	Fore limb from olecranon	Manus	Longest claw of manus	Hind limb from knee joint	Pes	Longest claw of pes
2358	23 Antrozous pallidus (mammae 1 pair (pectoral).)	♀ ad.	117	46		24	30	Alar expanse, 357; wing from carpal joint, 85; height of antitragus, 14 mm.																
2359	24 Geomys arenarius (Iris dark grayish brown.)	♂ ad.	260	86	—	3.	—	19.5	4	32	—	21.5	25	42	—	51	232	76.	63	35	15	58	35	5.
2360	24 Neotoma micropus canescens (3 foetuses; foetal envelopes 45 mm)	♀ ad.	308	122	129	22.5	25	16	6.3	73	—	22	24	42	72	50	266	—	48	20	3.	68	36	4.
2361	24 " " (Has nursed young. Not pregnant)	♀ ad.	307	127	134	19.	23	16	6.2	72	—	23	25	40	66	50	257	—	47	20	3.	65	36	4.
2362	24 Little Brown Bat. (Vespertilio lucifugus)	♀ ad.	58	38		12	14.5	Alar expanse, 253; wing from carpal joint, 60; height of antitragus, 6 mm.																
2363	24 Spermophilus spilosoma	♂ ad	Skull only preserved; cooked in trap by solar heat.																					
2364	24 " "	♂ ad.	225	75	92	4	—	22.5	6.7	37	—	16.2	21.2	33	—	43	234	—	50	25	8.	68	37.5	6.
2365	24 " " (mammae 5 pairs)	♀ ad.	247	87	110	3.6	—	22	6.5	35	—	16	21.	33	—	43	240	—	47	23	5.4	62	35.	5.2
2366	25 Dipododops ordi	♀ ad.	230	124	150	12.5	15	22	—	64	—	22.5	26	35	49	40	175	—	31	12.5	5.	69	37.5	5.
2367	25 Lepus arizonae minor (mammae filled with milk.)	♀ ad.	375	48	73	80	63	35	13	73	—	39	47	65	148	70	515	—	100	46	7.	157	86	8.3
2368	25 Spermophilus spilosoma	♂ ad.	Skull, only, preserved; cooked in trap.																					
2369	25 " "	♂ ad.	do																					
2370	25 " " (mammae filled with milk; not pregnant; mammae 5 pairs.)	♀ ad.	237	80	96	3.	—	23	6.5	33	—	18	22	35	—	43	242	—	50	26.5	7.2	66	37	5.4
2371	25 Antrozous pallidus (mammae 1 pair; pectoral)	♀ ad	230	76	—	3.	—	17.5	expanse, 355; wing from carpal joint, 86; height of antitragus, 14 mm															
2372	25 Geomys arenarius. (Contained 3 good-sized foetuses)	♀ ad	120	52	—	24.5	30.5	alar	3.6	32	—	21	24	38	—	47	214	63	60	33	13	55	32	5.
2373	26 Dipodops ordii.	♀ ad.	244	138	163	12.	15	19.5	6	68	—	22	26	36	48	40	181	—	30	14	4.8	70	38	5.
	Mammae 3 pairs, 1 pectoral + 2 inguinal. Mammae filled with milk; not pregnant, but nursing young.																							
2374	26 Spermophilus spilosoma	♀ ad.	250	85	100	3.	—	22.5	6.6	33	—	18	24	38	—	44	249	—	50.6	25.5	8	66	37.5	6.
2375	26 " "	♂ juv.	About half grown.																					
2376	26 Lepus arizonae minor	♂ ad.	365	50	70	86	66	35		75	—	40	46	61	146	70	505	—	99	43	6	166	85	8.
2377	26 Antrozous pallidus	♀ ad.	114	44	—	25	31	Alar expanse, 350 wing from carpal joint, 86; height of antitragus, 14 mm.																
2378	27 Dipodomys ~~ordii~~ ambiguus	♂ juv	182	103																			35	
2379	27 Perognathus eremicus.	♂ ad.	170	89	105	5	4.4	12	4.0	45	—	15	18	26	31	29	124	—	23.6	10	3	40	23	3.
2380	27 " "	♀ ad.	165	84	98	5	4.5	11	4.0	40	—	14	17.	25	30	28	123	—	22.7	10	3	40	22.5	3.
2381	27 " "	♂ ad.	165	83	100	5	4.	11.5	4.0	40	—	14.5	17.5	25.5	30.5	28.5	120	—	22.3	10	3	39	22	3
2382 to 2393.	Antrozous pallidus.	males	Killed, June 27, 1893, by the soldiers in barracks; all preserved in alcohol; more or less injured in killing.																					
2394 to 2396	" "	females																						
2397	27 " "	♂ ad.	104	38	—	22	28	Alar expanse, 335; wing from carpal joint 73; height of antitragus, 13 mm.																
2398	27 " "	♀ ad.	120	47	—	25	31	" 360; " " " " 85 " " " 15 mm.																
2399	27 Spermophilus spilosoma	♂ ad.	Cooked in trap; skull only.																					
2400	27 " "	♀ ad.	233	73	93	3.	—	23	6.4	35	—	18	24	38	—	44	~~216~~ 215	—	50	25	7.	62	36	5.6
2401	28 Dipodomys ambiguus	♀	230	135	152	9	13	20.5	5	60	—	21.5	25	33	44	36	164	—	28	11	4	67	38	4.
2402	28 Lepus arizonae minor (Iris light brown.)	♀ ad.	360	63	84	81	65	35	13	70	—	36	43	71	140	68	497	—	96	44	6	157	85	8.
2403	28 Spermophilus spilosoma (mammae 5 pairs; not pregnant; very fat.)	♀ ad	254	88	108	3	—	24	7.	25	—	17	23	37	43	46		—	51	25	7	68	35	5.7
2404	29 ~~Dipodops~~ Perodipus ordii	♀ juv	170	95																			35	
2405	29 " " (Cheek pouches stuffed with food (bait). Iris brownish gray. Claws reddish purple tipped white.)	♂ ad	250	131	155	10	15	20	6	63	—	25	27.5	37	50	41	186	—	32	14	5	68	37.5	4.4
2406	29 " "	♂ ad.	262	142	175	10	15	21	6.4	65	—	24	27	38	51	43	195	—	33	13.5	5.1	75	40.	4.6
2407	29 Spermophilus spilosoma	♂ ad.	240	82	106	3.	—	22.5	7.	35	—	17	22	34	41	42	229	—	49	25	6.5	63	35	5.3
2408	29 " "	♂ ad.	221	64	86	3.	—	23.	6.5	32	—	16.5	21	34	40	43	233	—	49	25	7.	67	36.5	5.2
2409	30 Dipodomys ambiguus	♂ ad.	252	142	167	9.5	13.5	21	6	62	—	23	27	36	46	40	175	—	31	11.	4.	71	38.	4.
2410	30 Dipodops ordii?	♂ ad.	250	131	169	12	15.5	"	6.3	61	—	23	27	38	52	42	192	—	33	13.5	5.2	73	38	4.4

No.	1893 June	Name & Locality. Fort Hancock, El Paso Co., Texas	Sex and Age	Length	Tail, vert.	Tail, hairs	Ear above crown	Ear above notch	Between eyes	Diameter of eye	Longest whisker	Tip of nose to angle of mouth	To eye	To centre of pupil	To auditory meatus	To tip of ear	To occiput	To end of outstretched hinder extremity	Bare portion of tail	Fore limb from olecranon	Manus	Claw	Hind limb from knee-joint	Pes	Claw
2411	30	Perognathus premiens Alcohol	♂ ad.	142	73	84	3.6	ant. base 9.	9.5								26						36	21.7	2.4
2412	30	" " "	♂ ad.	158	83	94	3.7	9.	10	3.5	40	—					26			20	10	2.5	37	21.7	2.3
2413	30	" " "	♀ ad.	180	86	98	4	9.2	10.	3.6	39	—	12.7	15	21.5	28	26	112	—	21	10.5	2.4	38	21.7	2.5
~~2414~~	~~30~~	~~Lepus arizonae minor~~	ad.	Thrown away.																					
2414	30	Spermophilus spilosoma	♀ ad.	Preserved in alcohol.																					
2415		Tamias harrisii saxicola	ad.	} Sent me by Joe Wheeler, from Western ~~Colorado~~ Desert, Mex. Bd. Line. See his letter																					
2416	[illegible]	Bassaris astuta	ad.	} for full data																					
2417	12	Taxidea	♂ ad.	765	154	197	25	45	39	9.	37	78 (front teeth 25)	59	67	115	167	155	850	—	208	117	35	188	117	16

Iris dark hazel. Fore claws 23 30 35 34 28 Hind claws, 9.5 13.5 13.5 16 9. Girth of chest, 390 mm.

This badger was ~~killed~~ caught by a Mexican and was domesticated so that it could be led & handled.

White dorsal stripe the whole length of back. Fort Clark, Texas.

Aug. 15, 1892. San Bernardino Ranch, A.T.

Gallinago delicata. — First seen; one. I also saw what may have been a pair of Buff-breasted Sandpipers.

Progne subis. — First seen; several; at Fort Clark, Texas, on February 24, 1893.

Stelgidopteryx serripennis. — First seen, one, Febr. 18, 1893. Several were seen Febr. 19th and a good many Febr. 20th.

Quiscalus macrourus. — A few were still present November 10th 1892. Two birds, and later same day a flock of about 25 appeared January 18, 1893. A few may have been present throughout the winter, though I saw none in December.

Circus hudsonius. — On Febr. 25, 1893, one in blue dress flew from the road where it had begun to devour a Young Jackass Hare (Lepus merriami) about half as large as a Cottontail Rabbit. As I drove upon it, it arose and struggled off with the hare, flying about ten or 20 yards and mounting upwards to at least 15 or 20 feet before letting it fall. I picked it up & preserved the specimen (No.   ) The head was almost eaten off.

Columbigallina passerina pallescens. — Lieut. Fielder M. M. Beall, U.S.A., writes me under date of Feb. 23, 1893, from Carrizo, Texas, that there are some of these birds at that place and desires to know if specimens would be desirable.

Progne subis. — Several seen near Las Moras Spring, Kinney Co., Texas March 12, 1893.

Hirundo erythrogaster. — First seen (several) March 17, 1893.
" " next seen March 18.

Crustacea. — Besides the large Palaemon jamaicensis, and a large species of Crawfish, there are numerous small species in Las Moras Creek.

Notes on Fishes of Ft. Clark, Texas.

On March 12, 1893 Lieut. Ord and I seined in Las Moras Creek between the Spring and wagon-bridge. We got three

1 to 3 species of sunfishes (Lepomis, etc.).
4 A "Shiner" minnow with red fins.
5 A Mud Minnow (Fundulus?) (at base of caudal fin)
6 A slender, large-scaled minnow with black spot
7 A very slender silvery minnow.
8 A much spotted little fish (spots red & black)
9 A Sucker (Catostomus).
10 A stouter, smaller-eyed silvery minnow than No. 7 (only one taken)
11 Large-mouthed Black Bass.

A small painted turtle (Chrysemys) and numerous specimens of a large species of crawfish (old ones reddish) and water bugs were also preserved in alcohol.

In addition to the above fishes I have
12 preserved specimens of the Gizzard Shad, and have seen several species of Cats;
13+14 both fork-tailed and round-tailed species.
15 Mr. Ord has an Alligator Gar's skin, from Devil's River.
16 At Strickland Springs I caught a Stickleback(?)

No. 1 Lepomis pallidus (Mitch.) Jor. & Gill ~~albulus~~ (Grd.) McKay (or L. ~~heros~~?).
2 Lepomis megalotis (Raf.) Cope (= L. fallax. B.&G. p. 8).
3 Heros cyanoguttatus (B.&G.) Stdr.
4 Tetragonopterus argentatus (Baird & Girard) J.&G.
5
6
7
8
9 ~~Catostomus~~ Moxostoma macrolepidotum (Le Sueur) Jordan
10
11 ~~Salmoides~~ Micropterus salmoides (Lac.) Henshall.
12 Dorosoma cepedianum (Le Sueur) Gill.
13 Ictalurus [illegible]
14
15 Litholepis tristoechus (Bloch & Schneider) Jordan & Gilbert
16

Moxastoma macrolepidotum. Two small specimens put in alcohol March 15, 1893. Las Moras Spring, head of Las Moras Creek, Kinney Co., Texas. These were olivaceous above; dorsal fins colored like corresponding parts; vertical fins with irregular blackish markings, inclining to a central spot; sides golden silvery, below pure white; lower fins tinged with red.
Scales 6-45-5. D 12 A 7 V 8. Air bladder 3 celled.

Ictalurus lupus (Grd) J. & G. ?
Weight about 5 lbs. Avoirdupois. Length measured to base of caudal fin, 440. Length of side of head, 118. Diameter of eye, 14. Distance between orbits, 73. Distance between posterior nasal apertures 31 (its barbel, 31). Width of head, 100. Width of open mouth, 60; nose to eye, 57; Depth of body opposite front of dorsal, 100. Emargination of tail, 55 (upper lobe perceptibly longest). Barbels $\frac{2-2}{2-2} = \frac{4}{4} = 8$, measuring (above) 104-31 and (below) 52-36 mm. Height of adipose fin, measured posteriorly, 27; greatest height of dorsal fin 73; of anal, 57; of pectoral, 66; of ventral, 54. From tip of nose to base of dorsal spine, 158; thence to adipose fin, 195; from front of adipose fin to caudal, 125
Lateral line complete. D, 1-6. A, 4-22. V, 8. P, 1-8. Bony bridge from occiput to dorsal not quite continuous, the supraoccipital bone almost meeting the interspinal. Color above dark olive; sides yellow; below pure white; fins dusky, with the fin-rays palest. Barbels blackish; eye mottled dusky + gold, with a yellow ring around the pupil. Speckled, especially above the lateral line with minute blackish spots. Caught in Las Moras Creek, Kinney Co., Texas, March 18, 1893 (See outline traced on paper.) Ventral fins extending barely past base of anal. Pectoral spine serrated behind. Humeral process more than half of the length of the pectoral spine, in this respect resembling I. punctatus rather than I. lacustris.

Lepomis pallidus (Mitch.) Gill & Jor.
Depth, 57; Length, 135; Side of head 42; Diameter of eye, 9; Pectorals reaching past the vent, ventrals reaching the anal. Opercular flap small, rounded, dusky with colorless border. Vertical fins dusky, with some blue and more green.

D X-11. V. ~~xxxx~~-I-5

A III-~~9~~10 P.

Cheeks, with 5 rows of scales below eyes. Mouth small oblique. A small blackish spot on last soft rays of dorsal – a larger one on soft rays of anal. Eye, mottled – red-hazel and dusky (mostly red). Color above lateral line greenish olivaceous – below lateral line yellow, with seven or eight faint transverse bands. Scales (six) ~~6~~-40-12. Quite a distinct fold in dorsal outline above eye. Dorsal Fins rather high.

List of Mammals from Fort Clark, Tex.

Orig. No. 40 Lepus merriami Mearns.
Rio Grande Jackrabbit. ♀ ad. Dec. 18, 1897.
Length, 560; tail vertebrae, 106; tail to end of hairs, 137; ear above crown, 140; ear from notch, 116; length of head, 102; hind foot, 120 mm.
Weight 4½ lbs.

41 Neotoma micropus Baird
Texan Wood Rat. ♂ ad. April 5, 1898.
Length, 322; tail vertebrae, 163; hind foot, 40; head, 45 mm.

42 Sciurus ludovicianus limitus (Baird).
Boundary Fox Squirrel. ♂ ad. May 14, 1898.
Length, 495; tail vertebrae, 225; tail hairs, 275; ear above crown, 19; ear from notch, 28; head, 64; hind foot, 61 mm.

43 Lepus floridanus caniclunis Miller.
♂ ad. May 30, 1898. Length, 380; tail vertebrae, 57; tail hairs, 80; ear from crown, 68; ear from notch, 55; head, 72; hind foot, 87 mm.

44 Spermophilus mexicanus parvidens Mearns
♂ ad. June 3, 1898. Length, 302; tail vertebrae, 123; ear crown, 4; ear notch, 11.5; head, 49; hind foot, 40 mm.

45. *Spermophilus mexicanus parvidens* Mearns.
♂ad. June 3, 1898. Length, 290; tail vertebræ, 124; ear crown, 4; ear notch, 11.5; head, 48; hind foot, 39 mm.

46. *Spermophilus mexicanus parvidens* Mearns.
♀im. June 4, 1898. Length, 280; tail vertebræ, 105; ear crown, 4; ear notch, 11.5; head, 50; hind foot, 38 mm.

47. *Spermophilus mexicanus parvidens* Mearns.
♂ad. June 4, 1898. Length, 300; tail vertebræ, 95; ear crown, 4; ear notch, 11.5; head, 51; hind foot, 42 mm.

48. *Spermophilus mexicanus parvidens* Mearns.
♀im. June 6, 1898. Length, 272; tail vertebræ, 106; ear crown, 4; ear notch, 11.5; head, 51; hind foot, 46 mm.

49. *Spermophilus mexicanus parvidens* Mearns
♂ad. June 6, 1898. Length of head and body, 185; ear crown, 4; ear notch, 11.5; head, 49; hind foot, 41 mm. Tail defective.

I only collected a few mammals at Fort Clark. We collected more birds.

Jan. 26, 1860
Dec. 29 — W
Dec. 14 AR
June 28 A